



Department of Energy

Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221

MAR 16 2011



Mr. James Bearzi, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Shipment of Containers from Waste Stream LA-MIN03-NC.001

Dear Mr. Bearzi:

In accordance with the Stipulated Final Order, No. HWB 09-31 (CO) (LANL), prior to shipment of remediated containers from waste stream LA-MIN03-NC.001, respondents shall submit to the New Mexico Environment Department (NMED) the following information for each container:

- A. A list of remediated containers being shipped;
- B. Evidence that each container has been remediated in accordance with approved LANL procedures; and
- C. Evidence that NCRs written for prohibited liquid have been dispositioned appropriately by CCP.

Enclosed is a digital video disk (DVD) containing the required documents for 47 containers listed on page 3 of this letter. Each container listed has its Real-Time Radiography (RTR) Batch Data Report (BDR), Non-Conformance Report (NCR) disposition information, and Prohibited Item Disposition (PID) form included on the DVD. The containers listed with an asterisk (*) did not have an NCR written due to the prohibited liquid being identified during RTR pre-screen. The PID for some containers shows the parent containers and the daughter container. These daughter containers passed RTR and do not have a nonconformance report. The PID does identify that each container has been remediated for liquids.

We certify under penalty of law that this document and all enclosures were prepared under our direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.



Mr. James Bearzi

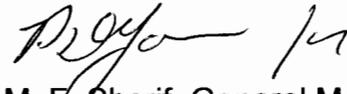
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If you have any questions, please contact Ms. Norma Castaneda at (575) 234-7118.

Sincerely,


(for)
Edward Ziemianski, Acting Manager
Carlsbad Field Office


M. F. Sharif, General Manager
Washington TRU Solutions LLC

Enclosure

cc: w/enclosure
S. Zappe, NMED

cc: w/o enclosure
N. Castaneda, CBFO *ED
S. McCauslin, CBFO ED
D. Haar, WTS ED
D. Ploetz, WTS ED
M. Percy, WTS ED
J. Eastham, WTS ED
V. Waldram, WTS ED
Site Documents ED
CBFO M&RC

*ED denotes electronic distribution

LANL LA-MIN03-NC.001 Containers

	Parent Container ID	Container ID	RTR BDR
1		S821633	LA-RTR2-08-0143
2		S804623	LA-RTR2-09-0044
3		S804634	LA-RTR2-09-0044
4		S814195	LA-RTR2-09-0044
*5		S815093	LA-RTR2-09-0044
6		S814814	LA-RTR2-09-0045
7		S816957	LA-RTR2-09-0046
8		S850477	LA-RTR2-09-0058
9		S814209	LA-RTR2-09-0061
10		S815118	LA-RTR2-09-0061
11		S804717	LA-RTR2-09-0145
12		S810231	LA-RTR2-09-0146
13		S841580	LA-RTR2-09-0151
14		S823764	LA-RTR2-09-0154
15		S814732	LA-RTR2-09-0160
16		S804755	LA-RTR2-09-0164
17		S814071	LA-RTR2-09-0164
18		S810958	LA-RTR2-10-0002
*19		S841056	LA-RTR2-10-0002
20		S804488	LA-RTR2-10-0006
21	S800449	85380	LA-RTR2-10-0126_R1
22	S800450	85392	LA-RTR2-10-0126_R1
23	S800486	85397	LA-RTR2-10-0126_R1
24	S800404	85411	LA-RTR2-10-0126_R1
25	S800407	85412	LA-RTR2-10-0126_R1
26	S800410	85415	LA-RTR2-10-0126_R1
27	S800514	85456	LA-RTR2-10-0127_R1
28	S800597	85476	LA-RTR2-10-0127_R1
29	S800508	85477	LA-RTR2-10-0127_R1
30	S800593	85488	LA-RTR2-10-0127_R1
31	S810363	85500	LA-RTR2-10-0127_R1
32	S800415	85371	LA-RTR2-10-0152
33	S800413	85378	LA-RTR2-10-0152
34	S800576	85441	LA-RTR2-10-0152
35	S800550	85444	LA-RTR2-10-0152
36	S822107	85529	LA-RTR2-10-0154
37	S800641	85554	LA-RTR2-10-0154
38	S800604	85555	LA-RTR2-10-0154

Mr. James Bearzi

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LANL LA-MIN03-NC.001 Containers (con't)

39	S800629	85481	LA-RTR2-10-0155
40	S800630	85487	LA-RTR2-10-0155
41	S804497	85491	LA-RTR2-10-0155
42	S804544	85493	LA-RTR2-10-0155
43	S800534	85507	LA-RTR2-10-0155
44	S801936	85549	LA-RTR2-10-0155
45	S800607	85562	LA-RTR2-10-0155
46	S800539	85571	LA-RTR2-10-0155
47	S804626	85574	LA-RTR2-10-0155

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/3/10

10[3] Parent Drum No.: S800415

11[15] Daughter Drum No.: 85371

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <input checked="" type="checkbox"/> <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+ - 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 CUP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date 5/3/10

10[3] Parent Drum No.: 3800415

11[15] Daughter Drum No.: 85371

Comments: N/A

10[76] Performed By: Tommy Bern [Signature] 239392 5/3/10
Name (Print) Signature ID# Date

10[78] Supervisor: G. LAM SINDS [Signature] 2392041541
Name (Print) Signature ID# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0152
Examination Date:	12/14/2010
Waste Container ID:	85371
Video/Audio Recorded Media Number:	LA-RTR2-10-0152 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 216.3 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 182.2 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85371

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bag
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	2.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	179.9
Soils (S):	
Total WMP Weight:	182.2

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85371

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
Chris Farquhar			12/14/2010
Print Name	Signature	Date	

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-3-10

10[3] Parent Drum No.: 5800413

11[15] Daughter Drum No.: 85378

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 CUP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

TA-54 Area G Sludge Remediation Activities

UET

Document No.: EP-AREAG-WO-DOP-0219

Revision: 1

Effective Date: 4/27/10

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ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.3.10

10[3] Parent Drum No.: S800413

11[15] Daughter Drum No.: 25378

Comments: _____
N/C

10[76] Performed By: JOHN MARTINEZ [Signature] 25378 5.3.10
Name (Print) Signature Date

10[78] Supervision: GINA H SANDS [Signature] 25378 5.4.10
Name (Print) Signature Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0152
Examination Date:	12/14/2010
Waste Container ID:	85378
Video/Audio Recorded Media Number:	LA-RTR2-10-0152 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 197.3 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 162.9 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

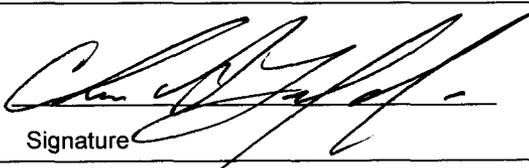
Waste Container ID: 85378

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Absorbent
Cut up liner lids, plastic bag
Solidified material (sludge)
.2mL of observable liquid at 30"

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.7
Others:	0.0
Total Packaging Weight:	34.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.6
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	2.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	3.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	157.0
Soils (S):	
Total WMP Weight:	162.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85378

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: .2mL of observable liquid at 30"			
RTR Operator: Chris Farquhar			
Print Name	Signature	Date	
		12/14/2010	

UET

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.3.10

10[5] Parent Drum No.: 5800449

11[15] Daughter Drum No.: 85380

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner: (warped, cracked, breaks) <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date <u>3.11.11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb Record actual torque value <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>4 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 cup</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

TA-54 Area G Sludge Remediation Activities

Document No.: EP-AREAG-WO-DOP-0219

Revision: 1

Effective Date: 4/27/10

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.3.10

10[3] Parent Drum No.: 5000449

11[15] Daughter Drum No.: 85380

Comments: _____
N/C

10[76] Performed By: JOHN MARTINEZ [Signature] 205784 5.3.10
Name (Print) Signature Z# Date

10[78] Supervision: Gina M. Smith [Signature] 234789 5.4.10 SM
Name (Print) Signature Z# Date
5.4.10

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0126, rev. 1 <i>KOZ 1/11/2011</i>
Examination Date:	10/21/2010
Waste Container ID:	85380
Video/Audio Recorded Media Number:	LA-RTR2-10-0126 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 221.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 185.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85380

Section 2: Container Inventory and Contents (Detailed Descriptions)
Scrap metal
Absorbent
Plastic bags
Solidified material (sludge)

Section 3: Packaging Labels and Waste Material Parameters	
Packaging Material	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameters	
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	184.0
Soils (S):	
Total WMP Weight:	185.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85380

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Chris Farquhar</u>		<u>10/21/2010</u>	
Print Name	Signature	Date	
		<u>1/13/2011</u>	

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ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.4.10

10[3] Parent Drum No.: 5800450

11[15] Daughter Drum No.: 85392

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb.: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 gallons</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>7 cups</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.4.10

10[3] Parent Drum No.: S800450

11[15] Daughter Drum No.: 85392

Comments: N/A

10[76] Performed By: Philip Quintana Philip Quintana 183693 5/4/10
Name (Print) Signature Z# Date

10[78] Supervision: Gina M. Stubb [Signature] 23175/1 5.4.10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0126, <i>rev 1 KOR 1/11/2011</i>
Examination Date:	10/21/2010
Waste Container ID:	85392
Video/Audio Recorded Media Number:	LA-RTR2-10-0126 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: <u>209.8</u> kg. Tare Wt: <u>34.1</u> kg. Net Wt: <u>175.7</u> kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	<u>90</u> %

Attachment 2 – CCP Radiography Data Sheet (Continued)

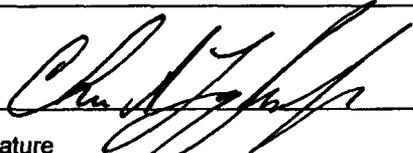
Waste Container ID: 85392

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bags, cut up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	173.8
Soils (S):	
Total WMP Weight:	175.7

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85392

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
Chris Farquhar		10/21/2010	
Print Name	Signature	Date	
		1/20/2011	

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/4/10

10[3] Parent Drum No.: 5800486

11[15] Daughter Drum No.: 5397

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>B007, D008, D009, F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 gallons</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/4/10

10[3] Parent Drum No.: 5800486

11[15] Daughter Drum No.: 85397

Comments: N/A

10[76] Performed By: Philip Quintana Philip Quintana 183693 5/4/10
Name (Print) Signature Z # Date

10[78] Supervision: Gina M. Strass Gina M. Strass 234254 5-4-10
Name (Print) Signature Z # Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0126, REV. 1 KOZ 1/11/2011
Examination Date:	10/21/2010
Waste Container ID:	85397
Video/Audio Recorded Media Number:	LA-RTR2-10-0126 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 205.6 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 171.5 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

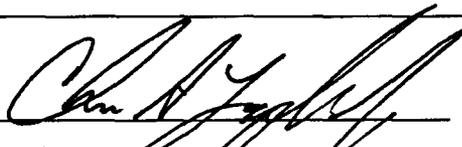
Waste Container ID: 85397

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Absorbent
Plastic bags, cut up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	1.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	168.5
Soils (S):	
Total WMP Weight:	171.5

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85397

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Chris Farquhar</u>		<u>10/21/2010</u>	
Print Name	Signature	Date	
		<u>1/20/2011</u>	

UET

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/4/10
 10[3] Parent Drum No.: 5800404
 11[15] Daughter Drum No.: 85411

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007-8-9 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+ 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 cup</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/4/10

10[3] Parent Drum No.: 5800404

11[15] Daughter Drum No.: 85411

Comments: N/A

10[76] Performed By: Philip Quintana Philip Quintana 183693 5/4/10
Name (Print) Signature Z# Date

10[78] Supervision: STINA M. SANDS [Signature] 234254 5-4-10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0126, Rev. 1 K07 1/11/2011
Examination Date:	10/21/2010
Waste Container ID:	85411
Video/Audio Recorded Media Number:	LA-RTR2-10-0126 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: <u>217.1</u> kg. Tare Wt: <u>34.1</u> kg. Net Wt: <u>183.0</u> kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	<u>90</u> %

Attachment 2 – CCP Radiography Data Sheet (Continued)

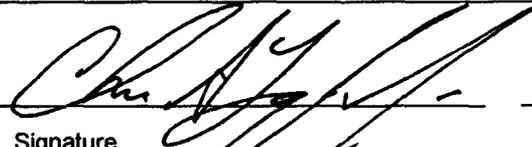
Waste Container ID: 85411

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Absorbent
Plastic bags, cut up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	180.5
Soils (S):	
Total WMP Weight:	183.0

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85411

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator: Chris Farquhar			
Print Name	Signature	Date	
		10/21/2010	
		1/20/2011	

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.4.10

10[3] Parent Drum No.: S 800407

11[15] Daughter Drum No.: 85412

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3.11.11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 UP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0126, rev. 1 KOZ 1/11/2011
Examination Date:	10/21/2010
Waste Container ID:	85412
Video/Audio Recorded Media Number:	LA-RTR2-10-0126 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 231.3 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 197.2 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

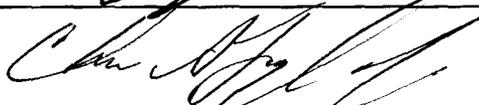
Waste Container ID: 85412

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Absorbent
Plastic bags, cut up liner lids
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	193.7
Soils (S):	
Total WMP Weight:	197.2

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85412

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator: Chris Farquhar  10/21/2010 Print Name Signature Date			
 1/20/2011			

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.4.10

10[3] Parent Drum No.: 5800410

11[15] Daughter Drum No.: 85415

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D009 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>039953</u> Cal. Expiration Date: <u>8.11.11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+ 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 CUP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.4.10

10[3] Parent Drum No.: S800410

11[15] Daughter Drum No.: 85415

Comments: _____
N/C

10[76] Performed By: John Madinez [Signature] 206784 | 5.4.10
Name (Print) Signature Z# Date

10[78] Supervision: Gina M. Sands [Signature] 734254 | 5.4.10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0126, rev. 1 K02 1/11/2011
Examination Date:	10/21/2010
Waste Container ID:	85415
Video/Audio Recorded Media Number:	LA-RTR2-10-0126 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 218.8 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 184.7 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

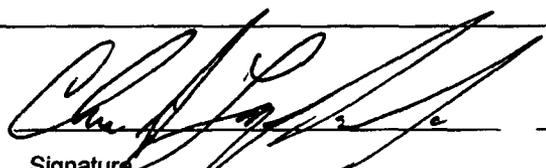
Waste Container ID: 85415

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Absorbent
Plastic bags, cut up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	181.2
Soils (S):	
Total WMP Weight:	184.7

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85415

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator: Chris Farquhar			
Print Name		Signature	10/21/2010
		Date	
			1/20/2011

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.5.10

10[3] Parent Drum No.: 3800576

11[15] Daughter Drum No.: 85441

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3.11.11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 LUP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-5-10

10[3] Parent Drum No.: S 800 576

11[15] Daughter Drum No.: 85441

Comments:

W/C

10[76] Performed By:

John Matney
Name (Print)

[Signature]
Signature

206704
Z #

5-5-10
Date

10[78] Supervision:

T. WENZEL
Name (Print)

[Signature]
Signature

22767
Z #

5-5-10
Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0152
Examination Date:	12/14/2010
Waste Container ID:	85441
Video/Audio Recorded Media Number:	LA-RTR2-10-0152 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 208.5 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 174.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

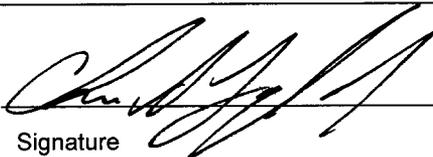
Waste Container ID: 85441

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Cut up liner lids, plastic bag
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	2.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	170.1
Soils (S):	
Total WMP Weight:	174.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85441

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
Chris Farquhar			12/14/2010
Print Name	Signature		Date

ATTACHMENT 4

LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.5.10

10[3] Parent Drum No.: S 800550

11[15] Daughter Drum No.: 85444

Step	Condition
10[14]	RCRA Designation (EPA Codes):
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3.11.11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1/2 c</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>3c</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-5-10

10[3] Parent Drum No.: S 800550

11[15] Daughter Drum No.: 85444

Comments:

N/C

10[76] Performed By: John Martinez [Signature] 206704 5-5-10
Name (Print) Signature Z# Date

10[78] Supervision: T. WELGEL [Signature] 1227607 5-5-10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0152
Examination Date:	12/14/2010
Waste Container ID:	85444
Video/Audio Recorded Media Number:	LA-RTR2-10-0152 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 191.5 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 157.1 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

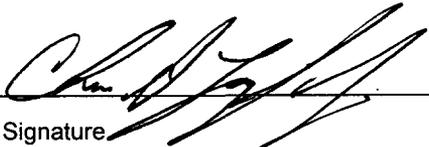
Waste Container ID: 85444

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Absorbent
Plastic bag, cut up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.7
Others:	0.0
Total Packaging Weight:	34.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	154.1
Soils (S):	
Total WMP Weight:	157.1

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85444

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
Chris Farquhar			12/14/2010
Print Name	Signature		Date

ATTACHMENT 4

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.5.10

10[3] Parent Drum No.: S800514

11[15] Daughter Drum No.: ~~85445~~ 03454

Step	Condition
10[14]	RCRA Designation (EPA Codes):
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3.11.11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>9 CUP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

TA-54 Area G Sludge Remediation Activities

UET

Document No.: EP-AREAG-WO-DOP-0219

Revision: 1

Effective Date: 4/27/10

Page: 62 of 63

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.5.10

10[3] Parent Drum No.: 5800514

11[15] Daughter Drum No.: ~~85443~~ 85456

Comments:

N/C

10[76] Performed By:

John Martin [Signature] 12067811 5.5.10
Name (Print) Signature Z# Date

10[78] Supervision:

T. WEIGEL [Signature] 1227617 5-5-10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0127, rev. 1 KOR 1/11/2011
Examination Date:	10/21/2010
Waste Container ID:	85456
Video/Audio Recorded Media Number:	LA-RTR2-10-0127 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 209.5 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 175.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

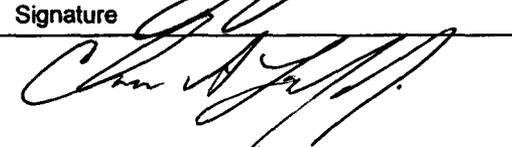
Waste Container ID: 85456

Absorbent Cut up liner lid, plastic bags Solidified material (sludge)

Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Others:	0.0
Total Packaging Weight:	34.1
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	172.9
Soils (S):	
Total WMP Weight:	175.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85456

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
Chris Farquhar		10/21/2010	
Print Name	Signature	Date	
		1/20/2011	

ATTACHMENT 4

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.6.10

10[3] Parent Drum No.: 5800597

11[15] Daughter Drum No.: 85476

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3.11.11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 LUP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

Page 2 of 2

LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.6.10

10[3] Parent Drum No.: S 800597

11[15] Daughter Drum No.: 85476

Comments: _____
N/C

10[76] Performed By: JOHN MARTINEZ [Signature] 2067841 5.6.10
Name (Print) Signature Z# Date

10[78] Supervision: ERINA H. STADS [Signature] 237254 1.5.6.10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0127, <i>REV. 1 KOR 1/11/2011</i>
Examination Date:	10/21/2010
Waste Container ID:	85476
Video/Audio Recorded Media Number:	LA-RTR2-10-0127 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 202.3 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 168.2 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

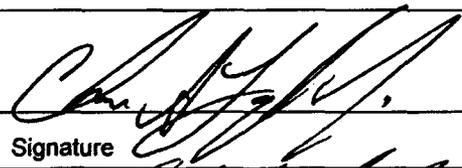
Waste Container ID: 85476

Absorbent Cut up liner lid, plastic bags Solidified material (sludge)	
---	--

Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Others:	0.0
Total Packaging Weight:	34.1
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	166.2
Soils (S):	
Total WMP Weight:	168.2

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85476

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator: <u>Chris Farquhar</u>			
Print Name	Signature	Date	
		10/21/2010	
		1/20/2011	

ATTACHMENT 4

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.6.10

10[3] Parent Drum No.: 5800508

11[15] Daughter Drum No.: 25477

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>036953</u> Cal. Expiration Date: <u>3.11.11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1.441</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>3 cup</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

Page 2 of 2

LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-6-10

10[3] Parent Drum No.: S800508

11[15] Daughter Drum No.: 85477

Comments: N/C

10[76] Performed By: JOHN MARTINEZ [Signature] 706784 / 5-6-10
Name (Print) Signature Z# Date

10[78] Supervision: Erin M. Stubb [Signature] 23125 / 5-6-10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0127, REV. 1 FOR 1/11/2011
Examination Date:	10/21/2010
Waste Container ID:	85477
Video/Audio Recorded Media Number:	LA-RTR2-10-0127 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 205.4 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 171.3 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

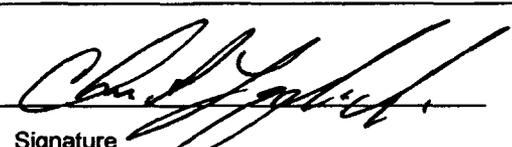
Waste Container ID: 85477

<p>Absorbent</p> <p>Plastic bags, cut up liner lid</p> <p>Solidified material (sludge)</p>	
--	--

Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Others:	0.0
Total Packaging Weight:	34.1
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	169.3
Soils (S):	
Total WMP Weight:	171.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85477

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Chris Farquhar</u>		<u>10/21/2010</u>	
Print Name	Signature	Date	
		<u>1/20/2011</u>	

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-6-10

10[3] Parent Drum No.: S800629

11[15] Daughter Drum No.: 85481

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: _____ ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gal</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-6 10

10[3] Parent Drum No.: S800629

11[15] Daughter Drum No.: 85401

Comments: _____
N/C

10[76] Performed By: Manuel Lopez [Signature] 2006446 15-6-10
Name (Print) Signature Z# Date

10[78] Supervision: Orlando S. Santos [Signature] 234251 15-6-10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0155
Examination Date:	12/21/2010
Waste Container ID:	85481
Video/Audio Recorded Media Number:	LA-RTR2-10-0155 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 192.5 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 158.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85481

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bag, cut-up liner lids
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	154.6
Soils (S):	
Total WMP Weight:	158.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85481

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: Operator trainee Brothers under supervision of qualified operator Farquhar.			
RTR Operator: Daphne Brothers/Chris Farquhar  /  12/21/2010 Print Name Signature Date			

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.6.10

10[3] Parent Drum No.: 5800636

11[15] Daughter Drum No.: 85487

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3.11.11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gallon</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 cups</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.6.10

10[3] Parent Drum No.: 500630

11[15] Daughter Drum No.: 05487

Comments: N/C

10[76] Performed By: John Martinez [Signature] 206704 5.6.10
Name (Print) Signature Z# Date

10[78] Supervision: Manuel Lopez [Signature] 206496 5-6-10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0155
Examination Date:	12/21/2010
Waste Container ID:	85487
Video/Audio Recorded Media Number:	LA-RTR2-10-0155 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 204.8 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 170.7 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

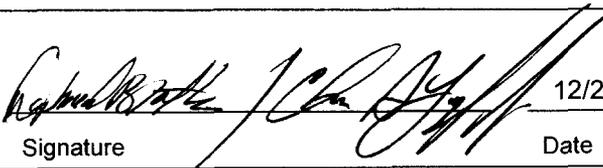
Waste Container ID: 85487

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bag, cut-up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	167.9
Soils (S):	
Total WMP Weight:	170.7

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85487

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: Operator trainee Brothers under supervision of qualified operator Farquhar.			
RTR Operator: Daphne Brothers/Chris Farquhar  12/21/2010			
Print Name		Signature	Date

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ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.6.10

10[3] Parent Drum No.: S 800 593

11[15] Daughter Drum No.: 85408

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>D35953</u> Cal. Expiration Date: <u>3.11.11</u> Range in ft-lb: <u>10-20</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 CUP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.6.10

10[3] Parent Drum No.: S800593

11[15] Daughter Drum No.: 05408

Comments: _____
N/C

10[76] Performed By: JOHN MARTINEZ [Signature] 706784 5.6.10
Name (Print) Signature Z# Date

10[78] Supervision: Gina M. Sandy [Signature] 23175 5.6.10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0127, rev. 1 KOR 1/11/2011
Examination Date:	10/21/2010
Waste Container ID:	85488
Video/Audio Recorded Media Number:	LA-RTR2-10-0127 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 190.2 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 156.1 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85488

Scrap metal
Absorbent
Plastic bags, cut up liner lid
Solidified material (sludge)
115mL. of observable liquid at 30-32"

Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Others:	0.0
Total Packaging Weight:	34.1
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	153.6
Soils (S):	
Total WMP Weight:	156.1

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85488

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: 115mL. of observable liquid at 30-32"			
RTR Operator: Chris Farquhar			
Print Name	Signature	Date	
		10/21/2010	
		1/20/2011	

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-10-10

10[3] Parent Drum No.: S 804497

11[15] Daughter Drum No.: 05491

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>DOT 208 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 LWP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.10.10

10[3] Parent Drum No.: S804497

11[15] Daughter Drum No.: 86491

Comments: _____
N/C

10[76] Performed By: John Martinez [Signature] 2067241 5.10.10
Name (Print) Signature Z# Date

10[78] Supervision: Brian H. Strands [Signature] 2382541 5-11-10
Name (Print) Signature Z# Date

85
#3010
10

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0155
Examination Date:	12/21/2010
Waste Container ID:	85491
Video/Audio Recorded Media Number:	LA-RTR2-10-0155 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 204.7 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 170.3 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

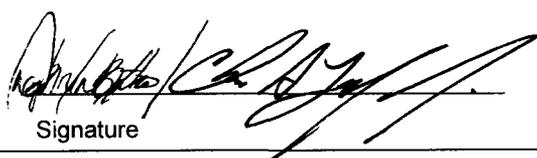
Waste Container ID: 85491

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bag, cut-up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.7
Others:	0.0
Total Packaging Weight:	34.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	167.5
Soils (S):	
Total WMP Weight:	170.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85491

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: Operator trainee Brothers under supervision of qualified operator Farquhar.			
RTR Operator: Daphne Brothers/Chris Farquhar  12/21/2010 Print Name Signature Date			

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-10-10

10[3] Parent Drum No.: S 804497

11[15] Daughter Drum No.: 05491

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>DOT 208 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 LWP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.10.10

10[3] Parent Drum No.: S804497

11[15] Daughter Drum No.: 86491

Comments: _____
N/C

10[76] Performed By: John Martinez [Signature] 2067241 5.10.10
Name (Print) Signature Z# Date

10[78] Supervision: By: H. Strids [Signature] 2382541 5-11-10
Name (Print) Signature Z# Date

85
#3010
10

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0155
Examination Date:	12/21/2010
Waste Container ID:	85491
Video/Audio Recorded Media Number:	LA-RTR2-10-0155 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 204.7 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 170.3 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

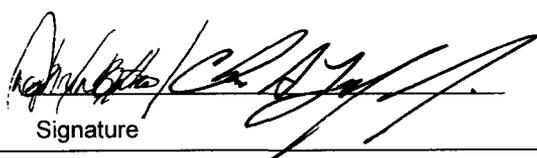
Waste Container ID: 85491

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bag, cut-up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.7
Others:	0.0
Total Packaging Weight:	34.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	167.5
Soils (S):	
Total WMP Weight:	170.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85491

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: Operator trainee Brothers under supervision of qualified operator Farquhar.			
RTR Operator: Daphne Brothers/Chris Farquhar  12/21/2010 Print Name Signature Date			

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-10-10

10[3] Parent Drum No.: 5804544

11[15] Daughter Drum No.: 05493

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007, D008, D009 F01</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks). <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5cup</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-10-10

10[3] Parent Drum No.: S 804 544

11[15] Daughter Drum No.: 85493

Comments:

N/C

10[76] Performed By: JOHN MARTINEZ [Signature] 206724 5-10-10
Name (Print) Signature Z # Date

10[78] Supervision: Gina H. STUBBS [Signature] 234257 5-11-10
Name (Print) Signature Z # Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0155
Examination Date:	12/21/2010
Waste Container ID:	85493
Video/Audio Recorded Media Number:	LA-RTR2-10-0155 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 174.4 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 140.0 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85493

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal banding
Absorbent
Plastic bag, cut-up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.7
Others:	0.0
Total Packaging Weight:	34.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	137.0
Soils (S):	
Total WMP Weight:	140.0

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85493

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: Operator trainee Brothers under supervision of qualified operator Farquhar.			
RTR Operator: Daphne Brothers/Chris Farquhar			
Print Name		Signature	Date

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ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-11-10

10[3] Parent Drum No.: 5810363

11[15] Daughter Drum No.: 85500

Step	Condition
10[14]	* RCRA Designation (EPA Codes): <u>D007, D008, D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 LUMP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

Page 2 of 2

LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-11-10

10[3] Parent Drum No.: 5810363

11[15] Daughter Drum No.: 05500

Comments: _____
N/C

10[76] Performed By: John Martinez [Signature] 2057841 5-11-10
Name (Print) Signature Z# Date ⁷⁻²⁶⁻¹⁰

10[78] Supervision: Gina M. Strads [Signature] 2302571 5-11-10
Name (Print) Signature Z# Date ¹⁰

Attachment 2 – CCP Radiography Data Sheet

<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0127, rev. 1 KOZ 1/11/2011
Examination Date:	10/21/2010
Waste Container ID:	85500
Video/Audio Recorded Media Number:	LA-RTR2-10-0127 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: <u>234.2</u> kg. Tare Wt: <u>36.1</u> kg. Net Wt: <u>198.1</u> kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	<u>90</u> %

Attachment 2 – CCP Radiography Data Sheet (Continued)

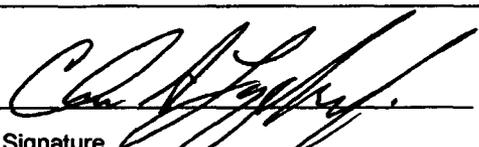
Waste Container ID: 85500

Scrap metal
Absorbent
Plastic bags, cut up liner lid
Solidified material (sludge)
1.2mL. of observable liquid at 3"

Steel (ST):	27.7
Plastics (PP): Rigid Liner	8.4
Others:	0.0
Total Packaging Weight:	36.1
Iron-based Metal / Alloys (IM):	0.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	0.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	196.0
Soils (S):	
Total WMP Weight:	198.1

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85500

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: 1.2mL. of observable liquid at 3"			
RTR Operator: Chris Farquhar  10/21/2010 Print Name Signature Date			
 1/20/2011			

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-11-10

10[3] Parent Drum No.: 5800534

11[15] Daughter Drum No.: 85507

Step	Condition
10[14]	* RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 GAL</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 CUP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.11.10

10[3] Parent Drum No.: S 800534

11[15] Daughter Drum No.: 85507

Comments: _____
N/C

10[76] Performed By: Roberto Baca [Signature] 1234078 5/12/10
Name (Print) Signature Z# Date

10[78] Supervision: [Signature] [Signature] 1176445 15/12/10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0155
Examination Date:	12/21/2010
Waste Container ID:	85507
Video/Audio Recorded Media Number:	LA-RTR2-10-0155 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 216.0 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 181.9 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

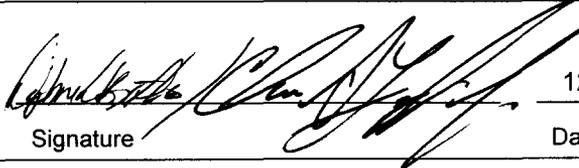
Waste Container ID: 85507

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bag
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	180.1
Soils (S):	
Total WMP Weight:	181.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85507

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: Operator trainee Brothers under supervision of qualified operator Farquhar.			
RTR Operator: Daphne Brothers/Chris Farquhar  12/21/2010			
Print Name		Signature	Date

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-12-10

10[3] Parent Drum No.: S 822107

11[15] Daughter Drum No.: 85529

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>OK</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+ - 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>85529</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u></u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>6 Gal</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>10 cups</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-12-10

10[3] Parent Drum No.: S 822107

11[15] Daughter Drum No.: 85529

Comments: n/c

10[76]	Performed By:	<u>Jon R Cassel</u>	<u>Jon R Cassel</u>	<u>1234252</u>	<u>5/12/10</u>
		Name (Print)	Signature	Z #	Date

10[78]	Supervision:	<u>Alan Anderson</u>	<u>Alan Anderson</u>	<u>176445</u>	<u>5/12/10</u>
		Name (Print)	Signature	Z #	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0154
Examination Date:	12/20/2010
Waste Container ID:	85529
Video/Audio Recorded Media Number:	LA-RTR2-10-0154
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 199.5 _____ kg. Tare Wt: _____ 34.1 34.4 _____ kg. Net Wt: _____ 165.4 165.1 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85529

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal banding
Absorbent
Cut up liner lid, plastic bag
Solidified material (sludge)
0.5ML of observable liquid at 5 inches
231ML of observable liquid at 7 inches

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, liner bag ^{PP 1/2 1/2}	6.4 6.7 ^{PP 1/2 1/2}
Others:	0.0
Total Packaging Weight:	34.1 34.4 ^{PP 1/2 1/2}
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	163.0 162.7 ^{PP 1/2 1/2}
Soils (S):	
Total WMP Weight:	165.4 165.1 ^{PP 1/2 1/2}

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85529

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: 0.5ML of observable liquid at 5 inches 231ML of observable liquid at 7 inches			
RTR Operator: Philip Dillard  12/20/2010			
Print Name		Signature	Date

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/13/10

10[3] Parent Drum No.: S 801936

11[15] Daughter Drum No.: 85549

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>OK</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+ - 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>85549</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>1 CUP</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/13/10

10[3] Parent Drum No.: S 801936

11[15] Daughter Drum No.: 85549

Comments: N/C

10[76] Performed By: Roberto Baca [Signature] | 234078 | 5/13/10
Name (Print) Signature Z # Date

10[78] Supervision: Anar Sanchez [Signature] | 176445 | 5/13/10
Name (Print) Signature Z # Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0155
Examination Date:	12/21/2010
Waste Container ID:	85549
Video/Audio Recorded Media Number:	LA-RTR2-10-0155 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 212.8 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 178.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85549

Section 3: Container Inventory and Comments (Detailed descriptions)
Hand tool
Absorbent
Plastic bag, cut-up liner lids
Solidified material (sludge)
2mL. observable liquid at 32"

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.7
Others:	0.0
Total Packaging Weight:	34.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	4.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	172.5
Soils (S):	
Total WMP Weight:	178.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85549

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: Operator trainee Brothers under supervision of qualified operator Farquhar. 2mL. observable liquid at 32"			
RTR Operator: Daphne Brothers/Chris Farquhar  12/21/2010 Print Name Signature Date			

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/13/10

10[3] Parent Drum No.: S 800641

11[15] Daughter Drum No.: 85554

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F007</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>OK</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+ - 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>85554</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3Gal</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>7cups</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/13/10

10[3] Parent Drum No.: S 800641

11[15] Daughter Drum No.: ^{RB 5/13/10}
~~85553~~ 85554

Comments: N/C

10[76] Performed By: Roberto Baca [Signature] 1234078 5/13/10
Name (Print) Signature Z# Date

10[78] Supervision: Oran Parker [Signature] 11761145 5/13/10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0154
Examination Date:	12/20/2010
Waste Container ID:	85554
Video/Audio Recorded Media Number:	LA-RTR2-10-0154
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: <u>206.9</u> kg. Tare Wt: <u>34.4</u> ^{90 mil Liner} <u>34.4</u> ^{90 mil Liner} kg. Net Wt: <u>172.8</u> ^{90 mil Liner} <u>172.5</u> ^{90 mil Liner} kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	<u>95</u> %

Attachment 2 – CCP Radiography Data Sheet (Continued)

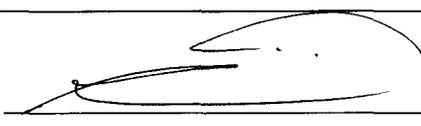
Waste Container ID: 85554

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Cut up liner lid, plastic bag
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, liner bag ^{PP 1/21/11}	6.4 6.7 ^{PP 1/21/11}
Others:	0.0 ^{PP 1/21/11}
Total Packaging Weight:	34.1 34.4 ^{PP 1/21/11}
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	^{PP 1/21/11} ^{PP 1/21/11}
Inorganic Matrix (IN):	170.5 170.2
Soils (S):	^{PP 1/21/11} ^{PP 1/21/11}
Total WMP Weight:	172.8 172.5

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85554

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
Philip Dillard			12/20/2010
Print Name	Signature		Date

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/13/10

10[3] Parent Drum No.: S 800604

11[15] Daughter Drum No.: 85555

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>OK</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3.11.11</u> Range in ft-lb: <u>10-80 FT+LBS</u> Tolerance: <u>+ - 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>85555</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 Gal</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>10 cups</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/13/10

10[3] Parent Drum No.: S 800604

11[15] Daughter Drum No.: 85555

Comments: M/C

10[76]	Performed By:	<u>Roberto Baca</u>	<u>[Signature]</u>	<u>1234078</u>	<u>5/13/10</u>
		Name (Print)	Signature	Z #	Date

10[78]	Supervision:	<u>Orlando</u>	<u>[Signature]</u>	<u>1176445</u>	<u>5/13/10</u>
		Name (Print)	Signature	Z #	Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0154
Examination Date:	12/20/2010
Waste Container ID:	85555
Video/Audio Recorded Media Number:	LA-RTR2-10-0154
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 192.7 _____ kg. Tare Wt: _____ 34.4 34.4 _____ kg. Net Wt: _____ 158.3 158.3 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

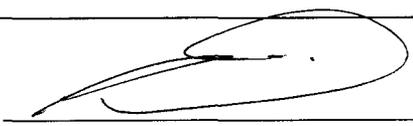
Waste Container ID: 85555

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Cut up liner lids, plastic bag
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, liner bag ^{PO 1/21/11}	6.4 6.7 ^{PO 1/21/11}
Others:	0.0
Total Packaging Weight:	34.1 34.4 ^{PO 1/21/11}
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	2.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	154.3 154 ^{PO 1/21/11}
Soils (S):	
Total WMP Weight:	158.6 158.7 ^{PO 1/21/11}

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85555

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Philip Dillard</u>			<u>12/20/2010</u>
Print Name	Signature		Date

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/13/10

10[3] Parent Drum No.: S 800607

11[15] Daughter Drum No.: 85562

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>OK</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3.11.11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+ - 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>85562</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 Gal</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 cups</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/13/10

10[3] Parent Drum No.: S 800607

11[15] Daughter Drum No.: 85562

Comments: n/c

10[76] Performed By: Roberto Baco [Signature] 1234078 5/13/10
Name (Print) Signature Z # Date

10[78] Supervision: Alan Sanchez [Signature] 1176445 5/13/10
Name (Print) Signature Z # Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0155
Examination Date:	12/21/2010
Waste Container ID:	85562
Video/Audio Recorded Media Number:	LA-RTR2-10-0155 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 201.0 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 166.9 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85562

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bags, cut-up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	163.8
Soils (S):	
Total WMP Weight:	166.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85562

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: Operator trainee Brothers under supervision of qualified operator Farquhar.			
RTR Operator: Daphne Brothers/Chris Farquhar  12/21/2010			
Print Name		Signature	Date

ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/13/10

10[3] Parent Drum No.: 5 800539

11[15] Daughter Drum No.: 85571

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>OK</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: _____ Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 Gal</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

TA-54 Area G Sludge Remediation Activities

Document No.: EP-AREAG-WO-DOP-0219

Revision: 2

Effective Date: 05/06/10

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ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/13/10

10[3] Parent Drum No.: S 800539

11[15] Daughter Drum No.: 85571

Comments: N/C

10[76] Performed By: Roberto Bana [Signature] 1234078 5/13/10
Name (Print) Signature Z# Date

10[78] Supervision: Chris Leicher [Signature] 1176445 5/13/10
Name (Print) Signature Z# Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0155
Examination Date:	12/21/2010
Waste Container ID:	85571
Video/Audio Recorded Media Number:	LA-RTR2-10-0155 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 213.9 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 179.5 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85571

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal banding
Absorbent
Plastic bag, cut-up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.7
Others:	0.0
Total Packaging Weight:	34.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	176.5
Soils (S):	
Total WMP Weight:	179.5

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85571

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: Operator trainee Brothers under supervision of qualified operator Farquhar.			
RTR Operator: Daphne Brothers/Chris Farquhar  12/21/2010			
Print Name		Signature	Date

ATTACHMENT 4

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/13/10

10[3] Parent Drum No.: S 804626

11[15] Daughter Drum No.: 85574

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
10[16]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
10[21]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>OK</u>
10[22][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
10[24]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
10[27]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>035953</u> Cal. Expiration Date: <u>3.11.11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+ - 3%</u>
10[28]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
10[30]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[32]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. <input type="checkbox"/> N/A (if not applicable) Record actual torque value: <u>12</u> ft-lb.
10[60]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb.
10[66][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
10[66][E]	Daughter Drum No.: <u>85574</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
10[69]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0 Gal</u>
10[70]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 cups</u>
10[73]	<input checked="" type="checkbox"/> Rigid liner cut into at least two pieces and placed into the daughter drum with other decontamination materials

TA-54 Area G Sludge Remediation Activities

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UET

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ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5/13/10

10[3] Parent Drum No.: S 804626

11[15] Daughter Drum No.: 85574

Comments: N/C

10[76] Performed By: Roberto Baca [Signature] 1234078 5/13/10
Name (Print) Signature Z # Date

10[78] Supervision: Timothy Moore [Signature] 2284731 5/13/10
Name (Print) Signature Z # Date

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0155
Examination Date:	12/21/2010
Waste Container ID:	85574
Video/Audio Recorded Media Number:	LA-RTR2-10-0155 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 193.1 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 158.7 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

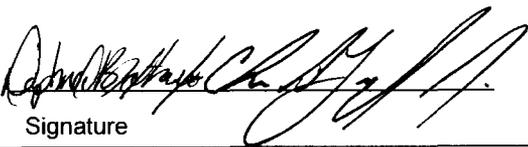
Waste Container ID: 85574

Section 3: Container Inventory and Comments (Detailed descriptions)
Hand tool, scrap metal
Absorbent
Coveralls
Plastic bag
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.7
Others:	0.0
Total Packaging Weight:	34.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.5
Cellulosics (C):	1.0
Rubber (R):	
Plastics (waste materials) (XPM):	0.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	155.7
Soils (S):	
Total WMP Weight:	158.7

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: 85574

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there observable liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of PCBs liquids?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: Operator trainee Brothers under supervision of qualified operator Farquhar.			
RTR Operator: Daphne Brothers/Chris Farquhar  12/21/2010			
Print Name		Signature	Date

Prohibited Item Dispositioning
In Dome 231 PermaCon

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Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date 3-21-09	For NCR or PWR No. 0452-07
---------------------------	-------------------------------

Waste Container Information

0968 - 06 ROR

Use NA if information is not applicable

147/2010

Verified no other waste container are open prior to opening container (TSR Requirement) Operator Initials: <u>LL</u>	
Column I: Waste Container	
Type of Container:	55 GALLON
Waste Stream:	LA-MIN-03-NC.001
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PE-C Limit	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Questionable structural integrity	
<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA Is the parent 85 gallon drum vented?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?	
Waste Container ID:	S 804488
Weight:	504.8
RCRA designation (EPA Codes):	(-00)
RCRA findings:	Hazardous
Parent drum RCRA empty?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner present?	
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner installed without a lid?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner lid removed and disposed of?	
Rigid Liner Integrity:	SAT
Comments:	NO Lined Lid -
BREACHING LAYERS OF CONFINEMENT	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Lags present? If so, many layers of confinement? 6	
<input type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? M/A	
Comments:	1 BAG ALREADY opened

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Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS

YES NO Are liquids present?

Disposition of liquids:

Comments:

1 GALLON Liquids Found. 4 EPA
of Absorbent added so it's fixed

FILTER

Filter number: AH-1037

Filter model: NUCF:101905

Filter date of manufacture: 1-07

Torque wrench file #: 19256

Torque calibration expiration date: 6-19-09

Torque value: 100 in/lbs

Filter Verification

YES NO Is the filter loose?

YES NO Is the filter sitting below the ring?

YES NO Is the filter hitting the waste?

Comments: MA

Closure Date and Time: 3/21/09

1046

YES NO To the best of our knowledge this container is WIPP compliant.

5804488

	Printed Name	Signature	Date
Operator	Lawrence Ledigera	Lawrence Ledigera	03-21-09
Operator Lead	Manuel Leuba	Manuel Leuba	3-21-09
Shift Operations Supervisor	Gary Maly	Gary Maly	03-21-09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-10-0006
Examination Date:	01/12/10
Waste Container ID:	S804488
Video/Audio Recorded Media Number:	LA-RTR2-10-0006 A
Procedure and Revision No.:	CCP-TP-053 Rev. 7
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 208.8 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 174.7 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S804488

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bag
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	5.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	168.7
Soils (S):	
Total WMP Weight:	174.7

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S804488

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Eric Lyles</u>		<u>01/12/10</u>	
Print Name	Signature	Date	

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **s804488**

Search Stats: SearchCount: RecordsReturned: **8** Started: Completed: **8:41:43 AM** Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S804488	1LANDA1172	NDA			No
S804488	LA-RTR2-06-0381	NDE	NCR_REJECT		
S804488	LA-RTR2-07-0007	NDE			No
S804488	LA-RTR2-07-0215	NDE	NCR_REJECT		
S804488	LA-RTR2-10-0006	NDE			No
S804488	NCR-LANL0606070	NCR (Superseded)			SUPERCEDED
S804488	NCR-LANL0852070	NCR (Closed)	NCR_REJECT	Resolved	
S804488	NCR-LANL0968060	NCR (Closed)	NCR_REJECT	Resolved	

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-06-0381	S804488	YES	NCR_REJECT by << NCRID:NCR-LANL0968060 >> Actual Condition: S817189: ~ 350ml liquid (> 1") in folds of plastic bags @ 4" through 8"; ~ 3 Liters liquid (> 1") between the liner and the waste @ 10" through 24", (> 1% container volume) S804488: ~ 100ml liquid (> 1") in folds of plastic bags @ 6" (proc-rjt_vaild)	Details
LA-RTR2-07-0215	S804488	YES	NCR_REJECT by << NCRID:NCR-LANL0852070 >> Actual Condition:S814125: ~6L non residual liquid in between the drum and the liner @ 24" to 32", >1% volume of the payload container. S814245: ~8L non residual liquid in between the drum and the liner @ 18" to 32", >1% volume of the payload container. S810963: ~8L non residual liquid in between the drum and the liner @ 17" to 32", >1% volume of the payload container. S804742: ~5L non residual liquid in between the drum and the liner @ 29" to 32", >1% volume of the payload container. S804488: ~6L non residual liquid in between the drum and the liner @ 23" to 32", >1% volume of the payload container. S841530: ~7L non residual liquid in between the drum and the liner @ 18" to 32", >1% volume of the payload container. S814099: ~5L non residual liquid in between the drum and the liner @ 18" to 32", >1% volume of the payload container. (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **8:41:44 AM** Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S804488	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **8:41:44 AM** Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S804488	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **8:41:44 AM** Results

CONTAINERID	RELATION_MATRIX
S804488	LAS804488,S804488

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

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Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date	03-09-09	For NCR or PWR No.	NA TAGG K02 12/6/2010 LANL-2041-08
----------------	----------	--------------------	--

Waste Container Information

Use NA if information is not applicable

Verified no other waste container are open prior to opening container (TSR Requirement)	
Operator Initials: <u>LR</u>	
Column I: Waste Container	
Type of Container:	55 GALLON
Waste Stream:	LA-MIN 03 - NE.001
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Less than or equal to 0.47 PE-C Limit
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Questionable structural integrity
<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA	Is the parent 85 gallon drum vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Is the parent 55 gallon drum vented?
Waste Container ID:	5804623
Weight:	439
RCRA designation (EPA Codes):	P001
RCRA findings:	HAZARDOUS
Parent drum RCRA empty?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO	If no, what type:
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Is liner vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Is rigid liner lid removed and disposed of?
Rigid Liner Integrity:	SAT
Comments:	liner lid vented per H GAS
BREACHING LAYERS OF CONFINEMENT	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Are there any Lags present? If so, many layers of confinement? 0
<input type="checkbox"/> YES <input type="checkbox"/> NO	Have all bags been breached? N/A
Comments:	1 BAG ALREADY OPENED

Reference

Attachment 2

Page 2 of 2

Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS

YES NO Are liquids present?

1 GALLON LIQUIDS FOUND 5 CUP

Disposition of liquids:

Absorbent added soilitioner

Comments:

FILTER

Filter number: 11-740

Filter model: NUCF101905

Filter date of manufacture: 9-08

Torque wrench file #: 19256

Torque calibration expiration date: 6-19-09

Torque value: 100.00 lbs

Filter Verification

YES NO Is the filter loose?

YES NO Is the filter sitting below the ring?

YES NO Is the filter hitting the waste?

Comments: N/A

Closure Date and Time:

03-09-09

01425

YES NO To the best of our knowledge this container is WIPP compliant.

5804623

	Printed Name	Signature	Date
Operator	Lawrence Rodriguez	Lawrence Rodriguez	03-09-09
Operator Lead	Philip Quintana	Philip Quintana	3/9/09
Shift Operations Supervisor	Alan Sanchez	Alan Sanchez	3/9/09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0044
Examination Date:	05/27/09
Waste Container ID:	S804623
Video/Audio Recorded Media Number:	LA-RTR2-09-0044 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ NCR No.: _____

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 197.6 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 163.5 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S804623

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal (NSW)
Plastic liner lid cut up, plastic bags, plastic tags
Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	161.0
Soils (S):	
Total WMP Weight:	163.5

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S804623

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Pete Lucchini</u>			<u>05/27/09</u>
Print Name	Signature		Date

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S804623**

Search Stats: SearchCount: RecordsReturned: **7** Started: Completed: **8:44:27 AM** Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S804623	1LANDA1058	NDA			No
S804623	LA-RTR2-06-0380	NDE	NCR_REJECT		
S804623	LA-RTR2-09-0044	NDE			No
S804623	NCR-LANL0967060	NCR (Superseded)			SUPERCEDED
S804623	NCR-LANL0967061	NCR (Superseded)			SUPERCEDED
S804623	NCR-LANL0967062	NCR (Closed)	NCR_REJECT	Resolved	
S804623	NCR-LANL2041080	NCR (Closed)	NCR_REJECT	Resolved	

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-06-0380	S804623	YES	NCR_REJECT (2) NCR_REJECT by << NCRID:NCR-LANL0967062 >> Actual Condition:S803800: ~ 5 Liters liquid (> 1") between liner and drum @ 29" through 32", (> 1% container volume) S810430: ~ 50ml liquid (> 1") in pocket of waste @ 32" S810963: ~ 50ml liquid (> 1") in pocket of waste @ 31" S810152: ~ 3 Liters of liquid (> 1") between the liner and drum @ 32", (> 1% container volume) S814212: ~ 1 Liter liquid (> 1") between the liner and drum @ 10" S817267: Liner not vented S814245: ~ 500ml liquid (> 1") in pocket of waste @ 18" S804452: Liner not vented S816106: ~ 300ml liquid (> 1") in folds of plastic bags @ 5" through 8"; ~ 1 Liter liquid (> 1") between liner and waste @ 26" REASON FOR REV 1: DELETE DRUM S850392 AS THIS DRUM HAS BEEN DETERMINED AS LOW LEVEL WASTE (LLW) AND BEEN REMOVED FROM AK AND RETURNED TO LANL. Reason for revision 2: Revised the final disposition and removal of containers to NCR-LANL-2041-08. (proc-rjt_vaild) ----->>----- Rejected by << NCRID:NCR-LANL2041080 >> Actual Condition:S817782: ~20L liquid (>1") between liner & waste @ 8", >1% container volume S804623: ~2.5L liquid (>1") between liner & waste @ 32", >1% container volume S816106: ~300ML liquid (>1") in folds of ploastic bags @ 5" through 8"; ~1L liquid between liner & waste @ 26" (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **8:44:31 AM** Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S804623	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **8:44:32 AM** Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S804623	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **8:44:32 AM** Results

CONTAINERID	RELATION_MATRIX
S804623	LAS804623,S804623

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

Prohibited Item Dispositioning
In Dome 231 PermaCon

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Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date	3-9-09	For NCR or PWR No.	LAUL-0857-07
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Waste Container Information

Use NA if information is not applicable

Verified no other waste container are open prior to opening container (TSR Requirement)	
Operator Initials: JK	
Column I: Waste Container	
Type of Container:	55 GALLON
Waste Stream:	LA-MIN-03 - NC001
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PE-C Limit	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Questionable structural integrity	
<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA Is the parent 85 gallon drum vented?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?	
Waste Container ID:	S 804634
Weight:	447.
RCRA designation (EPA Codes):	F001
RCRA findings:	HAZARDOUS
Parent drum RCRA empty?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner present?	
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner installed without a lid?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?	
<input type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner lid removed and disposed of? N/A	
Rigid Liner Integrity:	SAT
Comments:	Liner lid vented per HGRAS
BREACHING LAYERS OF CONFINEMENT	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Lags present? If so, many layers of confinement? 0	
<input type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? N/A	
Comments:	1 BAG ALREADY OPENED

**Prohibited Item Dispositioning
In Dome 231 PermaCon**

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Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS

YES NO Are liquids present?

Disposition of liquids:

Comments:

1 GALLON Liquids Found 4 cup
~~Asbestos~~ Added Solitified
Absorbent

FILTER

Filter number: AH-834

Filter model: NUCFIT 01905

Filter date of manufacture: 1/07

Torque wrench file #: 19256

Torque calibration expiration date: 6-19-09

Torque value: 100^{lb}/165

Filter Verification

YES NO Is the filter loose?

YES NO Is the filter sitting below the ring?

YES NO Is the filter hitting the waste?

Comments: N/A

Closure Date and Time: 03-09-09

0925

YES NO To the best of our knowledge this container is WIPP compliant.

S 804634

	Printed Name	Signature	Date
Operator	Lawrence Rodriguez	<i>Lawrence Rodriguez</i>	03-09-09
Operator Lead	Timothy Remick	<i>Timothy Remick</i>	03-09-09
Shift Operations Supervisor	Dan Sanchez	<i>Dan Sanchez</i>	3-9-09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0044
Examination Date:	05/27/09
Waste Container ID:	S804634
Video/Audio Recorded Media Number:	LA-RTR2-09-0044 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ NCR No.: _____

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 198.0 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 163.9 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S804634

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal (NSW)
Tape roll (NSW)
Plastic bags, plastic tags
Solidified material (sludge), absorbent

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	162.4
Soils (S):	
Total WMP Weight:	163.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S804634

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Pete Lucchini</u>			<u>05/27/09</u>
Print Name	Signature		Date

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S804634**

Search Stats: SearchCount: RecordsReturned: 9 Started: Completed: 8:45:55 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S804634	1LANDA1058	NDA			No
S804634	LA-RTR2-06-0387	NDE	NCR_REJECT		
S804634	LA-RTR2-07-0014	NDE	NCR_REJECT		
S804634	LA-RTR2-07-0218	NDE	NCR_REJECT		
S804634	LA-RTR2-09-0044	NDE			No
S804634	NCR-LANL0613070	NCR (Superseded)			SUPERCEDED
S804634	NCR-LANL0613071	NCR (Closed)	NCR_REJECT	Resolved	
S804634	NCR-LANL0855070	NCR (Closed)	NCR_REJECT	Resolved	
S804634	NCR-LANL0974060	NCR (Closed)	NCR_REJECT		

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-06-0387	S804634	YES	NCR_REJECT by << NCRID:NCR-LANL0974060 >> Actual Condition: S804800; Liner not vented, non-residual liquid; >1% S816973; Liner not vented, ~12L non residual liquid between liner & waste @ 11", (>1%) container volume S814081; ~2L non residual liquid between liner & drum @ 31", (>1%) container volume S800674; ~2L non residual liquid between liner & drum @ 31", (>1%) container volume S854993; Liner not vented S803851; ~2L non residual liquid between liner & waste @ 30", (>1%) container volume S812201; ~2L non residual liquid between liner & drum @ 29" to 32", (>1%) container volume S807017; ~2L non residual liquid between liner & drum @ 32", (>1%) container volume S810477; ~13L non residual liquid between liner & waste @ 7", (>1%) container volume S807040; ~6L non residual liquid between liner & drum @ 30" to 32", (>1%) container volume S804801; ~400ml non residual liquid between the liner & drum @ 32" S804634; ~1.5L non residual liquid between liner & drum @ 30" S804753, ~4L non residual liquid between liner & drum @ 30", (>1%) container volume (proc-rjt_vaid)	Details
LA-RTR2-07-0014	S804634	YES	NCR_REJECT by << NCRID:NCR-LANL0613071 >> Actual Condition:S816171: Liner not vented S804634: ~3 Liters non residual liquid in pocket of drum @ 31", > 1% container volume Reason for Revision 1: Remove drum S804811 as it has been placed on the LLW Tab of the AKTSS. Remove drums listed in Attachment 1 as they have been completed. Revised Final Disposition. (proc-rjt_vaid)	Details
LA-RTR2-07-0218	S804634	YES	NCR_REJECT by << NCRID:NCR-LANL0855070 >> Actual Condition:S822175: ~5L non residual liquid between drum and liner @ 29" to 32", >1% volume of the payload container S810426: ~15L non residual liquid in between drum and liner @ 13" to 32", >1% container volume S804452: ~2L non residual liquid in between the drum and liner @ 31" >1% container volume S811284: ~5L non residual liquid in between the drum and liner @ 28 >1% container volume S816973: ~10L non residual liquid in between the drum and liner @ 23" to 32", >1% container volume S814081: ~18L non residual liquid in between the drum and the liner @ 14 >1% container volume S810949: ~9L non residual liquid in between the drum and liner @ 18" to 30", >1% container volume S810187: ~10L non residual liquid in between the drum and liner @ 18" to 30", >1% container volume S804798: ~3.5L non residual liquid in between the drum and the liner @ 30" >1% container volume S804634: ~2L non residual liquid in between the drum and liner @ 31", >1% container volume S810430: ~7L non residual liquid in between the drum and liner @ 25", >1% container volume (proc-rjt_vaid)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 8:45:55 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S804634	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 8:45:55 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S804634	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 8:45:56 AM Results

CONTAINERID	RELATION_MATRIX
S804634	LAS804634,S804634

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

Prohibited Item Dispositioning
In Dome 231 PermaCon

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Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date <i>3/22/09</i>	For NCR or PWR No. <i>LANL 0603-07</i>
----------------------------------	---

DOB 12/7/2010

Waste Container Information

Use NA if information is not applicable

Verified no other waste container are open prior to opening container (TSR Requirement)

Operator Initials: *JC*

Column I: Waste Container

Type of Container: *55 GAL*

Waste Stream: *LA-MIN03-NC.001*

YES NO Less than or equal to 0.47 PE-C Limit

YES NO Questionable structural integrity

YES NO NA Is the parent 85 gallon drum vented?

YES NO Is the parent 55 gallon drum vented?

Waste Container ID: *5804717*

Weight: *421.0 LBS*

RCRA designation (EPA Codes): *F001*

RCRA findings: *HAZARDOUS*

Parent drum RCRA empty? YES NO

RIGID LINER

YES NO Is rigid liner present?

Plastic NO If no, what type:

3/22/09 YES NO Is rigid liner installed without a lid?

YES NO Is liner vented?

YES NO Is rigid liner lid removed and disposed of?

Rigid Liner Integrity: *SAT*

Comments: *LINER LID VENTED PER H-GAS; LINER LID CUT INTO 2 PCS AND PLACED ON WASTE*

BREACHING LAYERS OF CONFINEMENT

YES NO Are there any Lags present? If so, many layers of confinement? *0*

YES NO Have all bags been breached? *N/A*

Comments: *1 BAG ALREADY OPENED*

Prohibited Item Dispositioning
In Dome 231 PermaCon

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Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS

YES NO Are liquids present?

Disposition of liquids:

Comments: N/A

19 gal of LIQUID

2 CUPS of ABSORBANT

FILTER

Filter number: AM 1050

Filter model: Nuc Fil 01905

Filter date of manufacture: 107

Torque wrench file #: TW 19256

Torque calibration expiration date: 6/19/09

Torque value: 100 in/LBS

Filter Verification

YES NO Is the filter loose?

YES NO Is the filter sitting below the ring?

YES NO Is the filter hitting the waste?

Comments: N/A

Closure Date and Time:

3/22/09 11:20 AM

YES NO To the best of our knowledge this container is WIPP compliant.

5804717

	Printed Name	Signature	Date
Operator	John R. Casseel	<i>John R. Casseel</i>	3/22/09
Operator Lead	Roberto F. Baca	<i>Roberto F. Baca</i>	3/22/09
Shift Operations Supervisor	T. WELGEL	<i>T. Welgel</i>	3/22/09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0145
Examination Date:	10/06/09
Waste Container ID:	S804717
Video/Audio Recorded Media Number:	LA-RTR2-09-0145 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 189.1 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 155.0 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S804717

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Pete Lucchini</u>			<u>10/06/09</u>
Print Name	Signature		Date

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S804717**

Search Stats: SearchCount: RecordsReturned: 5 Started: Completed: 8:48:58 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S804717	1LANDA1118	NDA			No
S804717	LA-RTR2-07-0010	NDE	NCR_REJECT		
S804717	LA-RTR2-09-0145	NDE			No
S804717	NCR-LANL0609070	NCR (Superseded)			SUPERCEDED
S804717	NCR-LANL0609071	NCR (Open)	NCR_REJECT	Resolved	

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-07-0010	S804717	YES	NCR_REJECT by << NCRID:NCR-LANL0609071 >> Actual Condition:S803965: ~50ml non-residual liquid (>1") in plastic container @ 31" S804717: ~3Liters non-residual liquid in pocket of waste @ 31"; >1% container volume Reason for Revision 1: Remove completed drums (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 8:48:58 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S804717	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 8:48:58 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S804717	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 8:48:58 AM Results

CONTAINERID	RELATION_MATRIX
S804717	LAS804717,S804717

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

Reference

Attachment 2

Page 1 of 2

Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date 3-25-09	For NCR or PWR No. LANL - 0884-07 80475 8034-07 <small>12/7/201</small>
-------------------------------	--

Waste Container Information

RB 3-25-09

Use NA if information is not applicable

Verified no other waste container are open prior to opening container (TSR Requirement)

Operator Initials: **ZB**

Column I: Waste Container

Type of Container: **55 Gallon**

Waste Stream: **LA-MIN03-NC.001**

YES NO Less than or equal to 0.47 PE-C Limit

YES NO Questionable structural integrity

YES NO NA Is the parent 85 gallon drum vented?

YES NO Is the parent 55 gallon drum vented?

Waste Container ID: **S 804755**

Weight: **463.2**

RCRA designation (EPA Codes): **F001**

RCRA findings: **Hazardous**

Parent drum RCRA empty? YES NO

RIGID LINER

YES NO Is rigid liner present?

Plastic NO If no, what type:

YES NO Is rigid liner installed without a lid?

YES NO Is liner vented?

YES NO Is rigid liner lid removed and disposed of?

Rigid Liner Integrity: **Sat**

Comments: **Liner lid vented per H-Gas. Liner lid
Cut into 2 pcs. and placed on waste**

BREACHING LAYERS OF CONFINEMENT

YES NO Are there any Lags present? If so, many layers of confinement? **X**

YES NO Have all bags been breached? **N/A**

Comments: **1 Bag already open**

013

**Prohibited Item Dispositioning
In Dome 231 PermaCon**

Document No.: EP-DOP-2108
Revision: 2
Effective Date: 1/05/09
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Reference

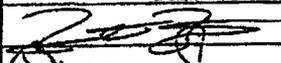
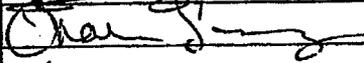
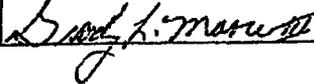
Attachment 2

Page 2 of 2

Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are liquids present? Disposition of liquids: Comments:	<p style="font-size: 1.2em;">1 Gallon Liquids 5 cups Absorbant</p>
FILTER	
Filter number: AH 1061 Filter model: NUC Fil 019 DS Filter date of manufacture: 1-07 Torque wrench file #: 19256 Torque calibration expiration date: 6/19/09 Torque value: 100 in/LBS	
Filter Verification	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter loose? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the filter sitting below the ring? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter hitting the waste? Comments: N/A	
Closure Date and Time: 3-25-09 13:55 PM	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO To the best of our knowledge this container is WIPP compliant.	

S 804755

	Printed Name	Signature	Date
Operator	Roberto Baca		3-25-09
Operator Lead	Chen Sun		3-25-09
Shift Operations Supervisor	GRADY L. MURKETT		3-25-09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0164
Examination Date:	10/21/09
Waste Container ID:	S804755
Video/Audio Recorded Media Number:	LA-RTR2-09-0164 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 207.6 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 173.5 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

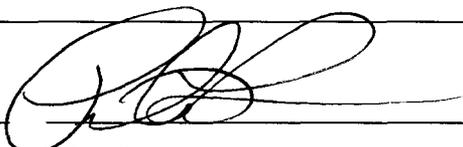
Waste Container ID: S804755

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal banding material (NSW) Liner lid cut up, plastic bag Absorbent, solidified material (sludge) 15 ML. of residual liquid between the drum and liner at 32"

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	171.5
Soils (S):	
Total WMP Weight:	173.5

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S804755

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: 15 ML. of residual liquid between the drum and liner at 32"			
RTR Operator:			
Pete Lucchini		10/21/09	
Print Name	Signature	Date	

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S804755**

Search Stats: SearchCount: RecordsReturned: 5 Started: Completed: 8:51:25 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S804755	1LANDA1132	NDA			No
S804755	LA-RTR2-07-0260	NDE	NCR_REJECT		
S804755	LA-RTR2-09-0164	NDE			No
S804755	NCR-LANL0894070	NCR (Superseded)			SUPERCEDED
S804755	NCR-LANL0894071	NCR (Open)	NCR_REJECT	Resolved	

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-07-0260	S804755	YES	NCR_REJECT by << NCRID:NCR-LANL0894071 >> Actual Condition:S804755: ~6L non residual liquid in between the liner and the drum @ 30" to 32", >1% container volume 61701: Sealed container >4L S811921: Sealed container >4L 52395: Sealed container >4L Reason for Revision 1: Remove completed drums (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 8:51:31 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S804755	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 8:51:31 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S804755	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 8:51:32 AM Results

CONTAINERID	RELATION_MATRIX
S804755	LAS804755,S804755

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

Prohibited Item Dispositioning
In Dome 231 PermaCon

Document No.: EP-DOP-2108
Revision: 3
Effective Date: 5/7/09
Page: 48 of 53

Reference

Attachment 2

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Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date 5-20-09	For NCR or PWR No. LAWL-2032-08
---------------------------	------------------------------------

Waste Container Information

Use NA if information is not applicable

IPC-1

Column I: Waste Container
Type of Container: 55 gallon
Waste Stream: LA-MIN03-NC-001
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PE-Ci Limit
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Questionable structural integrity
<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA Is the parent 85 gallon drum vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?
Waste Container ID: 5810231
Weight: 532.0
RCRA designation (EPA Codes): F001
RCRA findings: Hazardous
Parent drum RCRA empty? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner lid removed and disposed of?
Rigid Liner Integrity: SAT
Comments: lid already cut in half and placed on waste
BREACHING LAYERS OF CONFINEMENT
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Bags present? If so, many layers of confinement? \emptyset
<input type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? N/A
Comments: 1 bag already open

**Prohibited Item Dispositioning
In Dome 231 PermaCon**

Document No.: EP-DOP-2108 IPC-1

Revision: 3

Effective Date: 5/7/2009

Page: 49 of 53

Reference

Attachment 2

Page 2 of 2

Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are liquids present? Disposition of liquids: Comments:	1 gallons of liquid 4 cups of absorbant
FILTER	
Filter number: BJ-1416 Filter model: NUCAL 01905 Filter date of manufacture: 2/09 Torque wrench file #: 19256 Torque calibration expiration date: 6-19-09 Torque value: 100 in/lbs	Filter Verification <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter loose? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the filter sitting below the ring? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter hitting the waste? Comments:
Closure Date and Time: 5/20/09 1407	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO To the best of our knowledge this container is WIPP compliant.	

5810231

	Printed Name	Signature	Date
Operator	Joe Romero	<i>Joe Romero</i>	5-20-09
Operator Lead	Donald Esquivel	<i>Donald Esquivel</i>	5-20-09
Shift Operations Supervisor	Oran Sanchez	<i>Oran Sanchez</i>	5-20-09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0146
Examination Date:	10/06/09
Waste Container ID:	S810231
Video/Audio Recorded Media Number:	LA-RTR2-09-0146 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 233.8 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 199.7 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

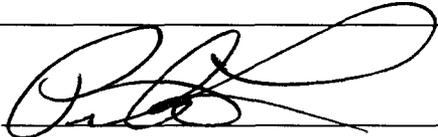
Waste Container ID: S810231

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal banding material (NSW)
Liner lid cut up, plastic bag
Absorbent, Solidified material (sludge)
50 ML. of residual liquid in pockets of the waste at 29"

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	197.7
Soils (S):	
Total WMP Weight:	199.7

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S810231

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: 50 ML. of residual liquid in pockets of the waste at 29"			
RTR Operator: <u>Pete Lucchini</u>  <u>10/06/09</u> Print Name Signature Date			

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S810231**

Search Stats: SearchCount: RecordsReturned: **14** Started: Completed: **9:00:26 AM** Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S810231	1LANDA1119	NDA			No
S810231	LA-RTR2-07-0019	NDE	NCR_REJECT		
S810231	LA-RTR2-07-0279	NDE	NCR_REJECT		
S810231	LA-RTR2-08-0097	NDE	NCR_REJECT		
S810231	LA-RTR2-09-0146	NDE			No
S810231	NCR-LANL0410070	NCR (Superseded)			SUPERCEDED
S810231	NCR-LANL0410071	NCR (Closed)			Use-As-Is
S810231	NCR-LANL0411070	NCR (Void)			VOID
S810231	NCR-LANL0412070	NCR (Superseded)			SUPERCEDED
S810231	NCR-LANL0412071	NCR (Closed)			Rework
S810231	NCR-LANL0619070	NCR (Closed)	NCR_REJECT		
S810231	NCR-LANL0738080	NCR (Closed)	NCR_REJECT	Resolved	
S810231	NCR-LANL0933070	NCR (Closed)			Rework
S810231	NCR-LANL0934070	NCR (Closed)	NCR_REJECT		

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-07-0019	S810231	YES	NCR_REJECT by << NCRID:NCR-LANL0619070 >> Actual Condition:S810216: `2 Liters non residual liquid between liner and drum at 24", >1% container volume S810231: Liner not vented (proc-rjt_vaild)	Details
LA-RTR2-07-0279	S810231	YES	NCR_REJECT by << NCRID:NCR-LANL0934070 >> Actual Condition:S810231: ~8L non residual liquid in pockets of waste @ 11" to 32", 1% container volume. (proc-rjt_vaild)	Details
LA-RTR2-08-0097	S810231	YES	NCR_REJECT by << NCRID:NCR-LANL0738080 >> Actual Condition:S810231: ~500ml non-residual liquid in pockets of waste @ 30-32", ~2L non-residual liquid between liner and liner bag @ 30-32" WIPP Notify per Michael Valentine and Margie Martinez 02/02/09. Mak W. (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **9:00:35 AM** Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S810231	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **9:00:35 AM** Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S810231	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **9:00:36 AM** Results

CONTAINERID	RELATION_MATRIX
S810231	LAS810231,S810231

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

Prohibited Item Dispositioning
In Dome 231 PermaCon

Document No.: EP-DOP-2108

Revision: 2

Effective Date: 1/05/09

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Reference

Attachment 2

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Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date <i>3-26-09</i>	For NCR or PWR No. <i>2029-58</i> ^{0 K72 12/7/2010}
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Waste Container Information

Use NA if information is not applicable

Verified no other waste container are open prior to opening container (TSR Requirement) Operator Initials: <i>M.R.</i>
Column I: Waste Container
Type of Container: <i>55 Gallon</i>
Waste Stream: <i>LA-MINO 3-NC 1001</i>
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PB-C Limit
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Questionable structural integrity
<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA Is the parent 85 gallon drum vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?
Waste Container ID: <i>8109595810958</i>
Weight: <i>542.5</i>
RCRA designation (EPA Codes): <i>F001</i>
RCRA findings: <i>HAZARDOUS</i>
Parent drum RCRA empty? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?
<input type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner lid removed and disposed of? <i>N/A</i>
Rigid Liner Integrity: <i>SAT</i>
Comments: <i>NO Liner Lid</i>
BREACHING LAYERS OF CONFINEMENT
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Lags present? If so, many layers of confinement? <i>0</i>
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? <i>N/A</i>
Comments: <i>1 Bag Already open</i>

021

**Prohibited Item Dispositioning
In Dome 231 PermaCon**

Document No.: EP-DOP-2108
Revision: 2
Effective Date: 1/05/09
Page: 49 of 53

Reference

Attachment 2

Page 2 of 2

Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are liquids present?	12 GALLON Liquids
Disposition of liquids:	20 cups Absorbent
Comments:	
FILTER	
Filter number: AH1066	
Filter model: NWC Fil 019DS	
Filter date of manufacture: 9-06	
Torque wrench file #: 19256	
Torque calibration expiration date: 6-19-09	
Torque value: 100 IN/LBS	
Filter Verification	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter loose?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the filter sitting below the ring?	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter hitting the waste?	
Comments: N/A	
Closure Date and Time: 3-26-09 945	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO To the best of our knowledge this container is WIPP compliant.	

S 010958

	Printed Name	Signature	Date
Operator	Mark J Romero	<i>Mark J Romero</i>	3-26-09
Operator Lead	Dee Rodriguez	<i>Dee Rodriguez</i>	3-26-09
Shift Operations Supervisor	Gary Mow	<i>Gary Mow</i>	3-26-09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-10-0002
Examination Date:	01/05/10
Waste Container ID:	S810958
Video/Audio Recorded Media Number:	LA-RTR2-10-0002 A
Procedure and Revision No.:	CCP-TP-053 Rev. 7
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 246.1 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 212.0 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S810958

Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bag
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	5.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	206.0
Soils (S):	
Total WMP Weight:	212.0

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S810958

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Eric Lyles</u>		<u>01/05/10</u>	
Print Name	Signature	Date	

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S810958**

Search Stats: SearchCount: RecordsReturned: 6 Started: Completed: 9:02:21 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S810958	2LANDA0531	NDA			No
S810958	LA-RTR2-07-0004	NDE	NCR_REJECT		
S810958	LA-RTR2-10-0002	NDE			No
S810958	NCR-LANL0603070	NCR (Superseded)			SUPERCEDED
S810958	NCR-LANL0603071	NCR (Superseded)			SUPERCEDED
S810958	NCR-LANL2029081	NCR (Closed)	NCR_REJECT	Resolved	

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-07-0004	S810958	YES	NCR_REJECT by << NCRID:NCR-LANL2029081 >> Actual Condition:S810958:~18L non residual liquid between liner & waste @4" to 32", >1% container volume, ~12L non residual liquid between liner & drum @22" to 32", >1"container volume. Reason for revision: To correct the container number on Block 3 of this NCR. Correct container number is S810958. (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 9:02:26 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S810958	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 9:02:26 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S810958	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 9:02:27 AM Results

CONTAINERID	RELATION_MATRIX
S810958	LAS810958,S810958

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

Prohibited Item Dispositioning
In Dome 231 PermaCon

Document No.: BP-DOP-2108
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Reference

Attachment 2

Page 1 of 2

Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date 3-28-09	For NCR or PWR No. 85 KTR 12/7/20.0 0887-07
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Waste Container Information

Use NA if information is not applicable

Verified no other waste container are open prior to opening container (TSR Requirement) Operator Initials: J.V
Column I: Waste Container
Type of Container: 55 Gallon
Waste Stream: LA MINO3-NC.001
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PE-C Limit
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Questionable structural integrity
<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA Is the parent 85 gallon drum vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?
Waste Container ID: S 814071
Weight: 526.0
RCRA designation (EPA Codes): F.001
RCRA findings: Hazardous
Parent drum RCRA empty? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?
<input type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner lid removed and disposed of? N/A
Rigid Liner Integrity: SAT
Comments: No liner lid
BREACHING LAYERS OF CONFINEMENT
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Lags present? If so, many layers of confinement? /
<input type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? N/A
Comments: 1 bag already open

023

Reference

Attachment 2

Page 2 of 2

Prohibited Item Dispositioning (PID) of TRU Waste (continued)

5814071

LIQUIDS	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are liquids present? Disposition of liquids: Comments:	1 gallon of liquid 4 cups of absorbent
FILTER	
Filter number: IG-1420 Filter model: NUC Fil 019DS Filter date of manufacture: 9-06 Torque wrench file #: 19256 Torque calibration expiration date: 6-19-09 Torque value: 100 in/lbs	
Filter Verification	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter loose? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the filter sitting below the ring? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter hitting the waste? Comments:	
Closure Date and Time:	
3-28-09	9:26
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO To the best of our knowledge this container is WIPP compliant.	

	Printed Name	Signature	Date
Operator	JEREMY VIGEL	<i>Jeremy Vigil</i>	3-28-09
Operator Lead	Philip Quintana	<i>Philip Quintana</i>	3/29/09
Shift Operations Supervisor	CARY MAW	<i>Cary Maw</i>	3-28-09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0164
Examination Date:	10/21/09
Waste Container ID:	S814071
Video/Audio Recorded Media Number:	LA-RTR2-09-0164 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: <u>237.8</u> kg. Tare Wt: <u>34.1</u> kg. Net Wt: <u>203.7</u> kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	<u>90</u> %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S814071

Section 3: Container Inventory and Comments (Detailed descriptions)
Plastic bag Absorbent, solidified material (sludge) 10 ML. of residual liquid in the folds of a plastic bag at 2" 400 ML. of residual liquid between the drum and liner at 30" to 32" 75 ML. of residual liquid in the pocket of the waste at 32"

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	202.7
Soils (S):	
Total WMP Weight:	203.7

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S814071

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: 10 ML. of residual liquid in the folds of a plastic bag at 2" 400 ML. of residual liquid between the drum and liner at 30" to 32" 75 ML. of residual liquid in the pocket of the waste at 32"			
RTR Operator: Pete Lucchini  10/21/09			
Print Name		Signature	Date

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S814071**

Search Stats: SearchCount: RecordsReturned: 9 Started: Completed: 9:07:12 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S814071	1LANDA1133	NDA			No
S814071	LA-RTR2-06-0340	NDE			No
S814071	LA-RTR2-07-0018	NDE	NCR_REJECT		
S814071	LA-RTR2-07-0219	NDE	NCR_REJECT		
S814071	LA-RTR2-09-0164	NDE			No
S814071	NCR-LANL0618070	NCR (Closed)	NCR_REJECT		
S814071	NCR-LANL0857070	NCR (Superseded)			SUPERCEDED
S814071	NCR-LANL0857071	NCR (Closed)	NCR_REJECT	Resolved	
S814071	NCR-LANL0927060	NCR (Superseded)			SUPERCEDED

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-07-0018	S814071	YES	NCR_REJECT by << NCRID:NCR-LANL0618070 >> Actual Condition:S803927: ~2L non residual liquid between liner & drum @ 28", >1% container volume S814107: ~10L non residual liquid between liner & drum @ 18", >1% container volume S807079: ~2L non residual liquid between liner & drum @ 27", >1% container volume S810332: Liner not vented S814071: ~4L non residual liquid between liner & drum @ 20", >1% container volume S850388: Liner not vented (proc-rjt_vaild)	Details
LA-RTR2-07-0219	S814071	YES	NCR_REJECT by << NCRID:NCR-LANL0857071 >> Actual Condition:S814107: ~7L non residual liquid in between the drum and the liner @ 18" to 25", >1% container volume S814071: ~4L non residual liquid in between the drum and liner @ 20" to 26", >1% container volume S814257: ~3L non residual liquid in between the drum and liner @ 23" to 26", >1% container volume S803927: ~3L non residual liquid in between the drum and the liner @ 28" to 31", >1% container volume Reason for Reviion 1: Remove completed drums (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 9:07:17 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S814071	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 9:07:17 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S814071	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 9:07:18 AM Results

CONTAINERID	RELATION_MATRIX
S814071	LAS814071,S814071

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

**PROHIBITED ITEM DISPOSITIONING (PID) OF HOMOGENEOUS TRU WASTE USING LINER
PULLER WORKSHEET**

PID No.: <u>S814195</u>	Operation Date: <u>10-20-06</u>	For NCR or PWR No.: <u>LANL-0920-06</u> KOR 12/7/0 <u>LANL-0856-07</u> KOR 12/7/2010
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Waste Container Information

Use NA if information is not applicable

Verified no other waste containers are open prior to opening container (TSR Requirement)	
Operator Initials: <u>JM</u>	
Column I: Waste Container	
Type of Container:	<u>55 gallon</u>
TRUCON Code:	<u>LA 24</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Less than or equal to 0.47 PE-Ci Limit?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Questionable structural integrity?
Waste container ID:	<u>S814195</u>
Weight:	<u>454.0 lbs 205.8 kgs</u>
RCRA designation:	<u>Hazardous</u>
RCRA findings:	<u>N/A</u>
RIGID LINER	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> No	If no, what type:
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is liner vented?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is rigid liner lid removed and disposed of?
<input type="checkbox"/> Yes <input type="checkbox"/> No	Is rigid liner < 20 DPM/100 cm ² ? <u>N/A</u>
<input type="checkbox"/> Yes <input type="checkbox"/> No	Does rigid liner have any visible residue? <u>N/A</u>
Rigid Liner Integrity: <u>good</u>	
Comments:	
BREACHING LAYERS OF CONFINEMENT	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Are there any bags present? If so, how many layers of confinement? <u>0</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Have all bags been breached?
Comments:	

LIQUIDS

Yes No Are liquids present?

Yes No Are liquids >1"?

If liquids >1", volume:

Disposition of liquids:

Volume of absorbent added: *1/2 cup*

Comments: *water on plastic surface*

FILTER

Filter number: *LA 51910*

Filter Model: *NET*

Filter date of manufacture: *10/94*

Torque wrench file #: *N/A*

Torque calibration expiration date: *N/A*

Torque value: *N/A*

Filter Verification

Yes No Is the filter loose?

Yes No Is the filter sitting below the ring?

Yes No Is the filter hitting the waste

Comments:

Closure Date: *10.20.06*

Yes No To the best of our knowledge this container is WIPP compliant.

	Printed Name	Signature	Date
Operator	³⁰ Julie Gallegos	<i>Julie Gallegos</i>	<i>10.20.06</i>
Operator Lead	³¹ Martin Romero	<i>Martin Romero</i>	<i>10/20/06</i>
Shift Operations Supervisor	³² Genevieve Ferrandez	<i>Genevieve Ferrandez</i>	<i>10/20/06</i>

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0044
Examination Date:	05/27/09
Waste Container ID:	S814195
Video/Audio Recorded Media Number:	LA-RTR2-09-0044 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ NCR No.: _____

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: <u>204.4</u> kg. Tare Wt: <u>34.1</u> kg. Net Wt: <u>170.3</u> kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	<u>90</u> %

Attachment 2 – CCP Radiography Data Sheet (Continued)

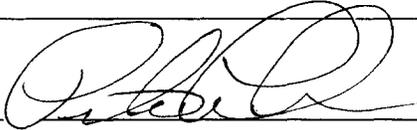
Waste Container ID: S814195

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal banding (NSW) Plastic bags Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	169.3
Soils (S):	
Total WMP Weight:	170.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S814195

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Pete Lucchini</u>		<u>05/27/09</u>	
Print Name	Signature	Date	

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S814195**

Search Stats: SearchCount: RecordsReturned: 9 Started: Completed: 9:09:36 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S814195	1LANDA1058	NDA			No
S814195	LA-RTR2-06-0319	NDE	NCR_HOLD		No
S814195	LA-RTR2-06-0332	NDE	NCR_REJECT		
S814195	LA-RTR2-07-0218	NDE	NCR_REJECT		
S814195	LA-RTR2-09-0044	NDE			No
S814195	NCR-LANL0856070	NCR (Closed)	NCR_REJECT	Resolved	
S814195	NCR-LANL0897060	NCR (Closed)	NCR_HOLD		Rework
S814195	NCR-LANL0920060	NCR (Superseded)			SUPERCEDED
S814195	NCR-LANL0920061	NCR (Closed)	NCR_REJECT		

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-06-0319	S814195	NO	NCR_HOLD by << NCRID:NCR-LANL0897060 >> Actual Condition: >1" liquid, >1% container volume (proc-hld_valid)	Details
LA-RTR2-06-0332	S814195	YES	NCR_REJECT by << NCRID:NCR-LANL0920061 >> Actual Condition:S814195 >1" LIQUID, >1% CONTAINER VOLUME S814209 >1" LIQUID, >1% CONTAINER VOLUME S817041 >1" LIQUID, >1% CONTAINER VOLUME S817298 >1" LIQUID, >1% CONTAINER VOLUME S817372 >1" LIQUID, >1% CONTAINER VOLUME S814125 >1" LIQUID, >1% CONTAINER VOLUME S816101 >1" LIQUID Reason for Revision 1: To remove container S816101 not completed and add that container to NCR-LANL-2024-08 and allow for closure of this NCR. Revise Final Disposition. (proc-rjt_vaild)	Details
LA-RTR2-07-0218	S814195	YES	NCR_REJECT by << NCRID:NCR-LANL0856070 >> Actual Condition:S794289: ~7L non residual liquid in between the drum and the liner @ 26", >1% container volume S814195: ~2L non residual liquid in between the drum and liner @ 31", >1% container volume; ~1.5L non residual liquid in pockets of the waste @ 12" to 18" S810216: ~4L non residual liquid in between the drum and liner @ 22" to 26", >1% container volume S841588: ~3L non residual liquid (>1") in a container @ 30", >1% container volume; ~1.5L non residual liquid in pockets of the waste @ 26" to 30", ~7L non residual liquid between the liner and the drum @ 26" to 32", >1% container volume (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 9:09:40 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S814195	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 9:09:40 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S814195	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 9:09:41 AM Results

CONTAINERID	RELATION_MATRIX
S814195	LAS814195,S814195

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

Prohibited Item Dispositioning
In Dome 231 PermaCon

Document No.: EP-DOP-2108

Revision: 2

Effective Date: 1/05/09

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Reference

Attachment 2

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Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date 3/31/09	For NCR or PWR No. LANL-0858-07
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Waste Container Information

Use NA if information is not applicable

Verified no other waste container are open prior to opening container (TSR Requirement) Operator Initials: <u>J.R.</u>
Column I: Waste Container
Type of Container: <u>55 Gallon</u>
Waste Stream: <u>LA-MIND3-NC.001</u>
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PE-C Limit
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Questionable structural integrity
<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA Is the parent 85 gallon drum vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?
Waste Container ID: <u>5814209</u>
Weight: <u>443.4</u>
RCRA designation (EPA Codes): <u>Fool</u>
RCRA findings: <u>Hazardous</u> ^{TSR 3/31/09}
Parent drum RCRA empty? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:
<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is rigid liner installed without a lid? ^{TSR 3/31/09}
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?
<input type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner lid removed and disposed of? <u>N/A</u>
Rigid Liner Integrity: <u>Sat</u>
Comments: <u>No Liner lid</u>
BREACHING LAYERS OF CONFINEMENT
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Lags present? If so, many layers of confinement? <u>0</u>
<input type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? <u>N/A</u>
Comments: <u>1 Bag already open</u>

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**Prohibited Item Dispositioning
In Dome 231 PermaCon**

Document No.: EP-DOP-2108
Revision: 2
Effective Date: 1/05/09
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Reference

Attachment 2

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Prohibited Item Dispositioning (PID) of TRU Waste (continued)

<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are liquids present? Disposition of liquids: Comments:	<p style="text-align: center;">LIQUIDS</p> <p>5-Gallons liquid 11-cups of Absorbent</p>
Filter number: IG-1406 Filter model: Nucfil 019DS Filter date of manufacture: 9/06 Torque wrench file #: TW-19256 Torque calibration expiration date: 6/14/09 Torque value: 100 in/lbs	<p style="text-align: center;">FILTER</p> <p style="text-align: center;">Filter Verification</p> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter loose? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the filter sitting below the ring? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter hitting the waste? Comments: N/A
Closure Date and Time: 3/31/09 1700	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO To the best of our knowledge this container is WIPP compliant.	

5874209

	Printed Name	Signature	Date
Operator	Timmy Romero	<i>Timmy Romero</i>	3/31/09
Operator Lead	ROGER DUNN	<i>Roger Dunn</i>	3/31/09
Shift Operations Supervisor	Gina M. Strads	<i>Gina M. Strads</i>	3-31-09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0061
Examination Date:	06/16/09
Waste Container ID:	S814209
Video/Audio Recorded Media Number:	LA-RTR2-09-0061 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 204.8 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 170.7 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

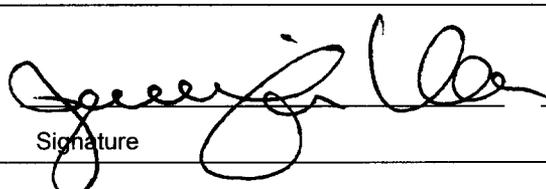
Waste Container ID: S814209

Section 3: Container Inventory and Comments (Detailed descriptions)
Plastic bags Solidified material (absorbent/sludge) ~10ml residual liquid in folds of bags @ 1-5" ~70ml residual liquid in plastic bags between liner and drum @ 32" ~5ml residual liquid in pockets of waste @ 23"

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	169.7
Soils (S):	
Total WMP Weight:	170.7

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S814209

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: ~10ml residual liquid in folds of bags @ 1-5"; ~70ml residual liquid in plastic bags between liner and drum @ 32"; ~5ml residual liquid in pockets of waste @ 23"			
RTR Operator: <u>Jennifer Uher</u>			
Print Name		Date	06/16/09

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S814209**

Search Stats: SearchCount: RecordsReturned: **13** Started: Completed: **9:12:13 AM** Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S814209	1LANDA1064	NDA			No
S814209	LA-RTR2-05-0184	NDE	NCR_REJECT		
S814209	LA-RTR2-06-0332	NDE	NCR_REJECT		
S814209	LA-RTR2-06-0345	NDE	NCR_HOLD		No
S814209	LA-RTR2-07-0220	NDE			No
S814209	LA-RTR2-09-0061	NDE			No
S814209	NCR-LANL0194050	NCR (Superseded)			SUPERCEDED
S814209	NCR-LANL0194051	NCR (Superseded)			SUPERCEDED
S814209	NCR-LANL0194052	NCR (Closed)	NCR_REJECT		
S814209	NCR-LANL0858070	NCR (Superseded)		Resolved	SUPERCEDED
S814209	NCR-LANL0920060	NCR (Superseded)			SUPERCEDED
S814209	NCR-LANL0920061	NCR (Closed)	NCR_REJECT		
S814209	NCR-LANL0934060	NCR (Closed)	NCR_HOLD		Rework

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-05-0184	S814209	YES	NCR_REJECT by << NCRID:NCR-LANL0194052 >> Actual Condition:>1 LIQUID REASON FRO REVISION: DELETE CONTAINER S834806 FROM NCR - THIS CONTAINER HAS BEEN DETERMINED AS LOW LEVEL WASTE 9LLW0, BEEN REMOVED FROM AK AND RETURNED TO LANL. Reason for Revision 2: To remove container S846525 not completed and add that container to NCR-LANL-2014-08 and allow for closure of this NCR. (proc-rjt_vaidl)	Details
LA-RTR2-06-0332	S814209	YES	NCR_REJECT by << NCRID:NCR-LANL0920061 >> Actual Condition:S814195 >1" LIQUID, >1% CONTAINER VOLUME S814209 >1" LIQUID, >1% CONTAINER VOLUME S817041 >1" LIQUID, >1% CONTAINER VOLUME S817298 >1" LIQUID, >1% CONTAINER VOLUME S817372 >1" LIQUID, >1% CONTAINER VOLUME S814125 >1" LIQUID, >1% CONTAINER VOLUME S816101 >1" LIQUID Reason for Revision 1: To remove container S816101 not completed and add that container to NCR-LANL-2024-08 and allow for closure of this NCR. Revise Final Disposition. (proc-rjt_vaidl)	Details
LA-RTR2-06-0345	S814209	NO	NCR_HOLD by << NCRID:NCR-LANL0934060 >> Actual Condition:>1" Liquid (proc-hld_valid)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **9:12:13 AM** Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S814209	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **9:12:14 AM** Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S814209	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **9:12:14 AM** Results

CONTAINERID	RELATION_MATRIX
S814209	LAS814209,S814209

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

Prohibited Item Dispositioning
In Dome 231 PermaCon

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Reference

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Prohibited Item Dispositioning (PID) of TRU Waste
Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date: <u>4/26/09</u>	For NCR or PWR No. <u>LANL-0840-09</u>
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Waste Container Information

Use NA if information is not applicable

Verified no other waste containers are open prior to opening container (TSR Requirement) Operator Initials: <u>JP</u>
Column I: Waste Container
Type of Container: <u>85 gallon over pack</u>
Waste Stream: <u>LA Min 03 - MC 001</u>
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PE-C Limit
<input type="checkbox"/> YES <input type="checkbox"/> NO Questionable structural integrity <u>Placed back into 85</u>
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA Is the parent 85 gallon drum vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?
Waste Container ID: <u>5 814 7 32</u>
Weight: <u>535.6 lbs</u>
RCRA designation (EPA Codes): <u>F 001</u>
RCRA findings: <u>Hazardous</u>
Parent drum RCRA empty? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner lid removed and disposed of?
Rigid Liner Integrity: <u>SAT</u>
Comments: <u>Liner lid vented for H-bus. liner lid cut into 2 pcs. and placed on waste</u>
BREACHING LAYERS OF CONFINEMENT
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Lags present? If so, many layers of confinement? <u>0</u>
<input type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? <u>NA</u>
Comments: <u>1 Bag already open</u>

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Reference

Attachment 2

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Prohibited Item Dispositioning (PID) of TRU Waste (continued)

<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are liquids present?</p> <p>Disposition of liquids:</p> <p>Comments:</p> <p style="text-align: center;">n/a</p>	<p style="text-align: center;">LIQUIDS</p> <p>2 - gallon of liquid</p> <p>6 - cups of Aporbent</p>
FILTER	
<p>Filter number: LG-745</p> <p>Filter model: MUC Fil 019DS</p> <p>Filter date of manufacture: 12/06</p> <p>Torque wrench file #: TW 19256</p> <p>Torque calibration expiration date: 6/19/09</p> <p>Torque value: 100 in/lbs</p> <p style="text-align: right;">Filter Verification</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter loose?</p> <p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the filter sitting below the ring?</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter hitting the waste?</p> <p>Comments:</p> <p style="text-align: center;">n/a</p>	
<p>Closure Date and Time:</p> <p style="text-align: center;">04/26/09 1506</p>	
<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO To the best of our knowledge this container is WIPP compliant.</p>	

5814732

	Printed Name	Signature	Date
Operator	Pacheco, John	<i>John Pacheco</i>	4/26/09
Operator Lead	Esquivel, Donald	<i>Donald Esquivel</i>	4/26/09
Shift Operations Supervisor	Gina M. SANDS	<i>Gina M. Sands</i>	4-26-09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0160
Examination Date:	10/19/09
Waste Container ID:	S814732
Video/Audio Recorded Media Number:	LA-RTR2-09-0160 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 209.2 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 175.1 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

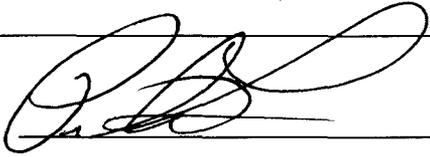
Waste Container ID: S814732

Section 3: Container Inventory and Comments (Detailed descriptions)
Liner lid cut up, plastic bag
Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	173.1
Soils (S):	
Total WMP Weight:	175.1

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S814732

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Pete Lucchini</u>			<u>10/19/09</u>
Print Name	Signature		Date

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S814732**

Search Stats: SearchCount: RecordsReturned: 4 Started: Completed: 9:14:31 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S814732	1LANDA1130	NDA			No
S814732	LA-RTR2-07-0204	NDE	NCR_REJECT		
S814732	LA-RTR2-09-0160	NDE			No
S814732	NCR-LANL0840070	NCR (Closed)	NCR_REJECT	Resolved	

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-07-0204	S814732	YES	NCR_REJECT by << NCRID:NCR-LANL0840070 >> Actual Condition:S814732: ~2.5 Liters non-residual liquid between liner and drum @34" S800498: ~5L non-residual liquid between liner and drum @ 29", >1% container volume; ~3L non-residual liquid in pockets of waste @ 13" to 18", > 1% container volume S816986: ~7L non-residual liquid throughout wast @11" to 36", <1% container volume; ~6L non-residual liquid between liner and drum @ 18" to 36", <1% container volume. (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 9:14:31 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S814732	LA-MIN03-NC.001			2	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 9:14:31 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S814732	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 9:14:31 AM Results

CONTAINERID	RELATION_MATRIX
S814732	LAS814732,S814732

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

**PROHIBITED ITEM DISPOSITIONING (PID) OF HOMOGENEOUS TRU WASTE USING LINER
PULLER WORKSHEET**

PID No.: <u>5814814</u>	Operation Date: <u>1.5.06</u>	For NCR or PWR No.: <u>LAIVC-0966-04</u>
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Waste Container Information

Use NA if information is not applicable

K12
4/7/06 10

Verified no other waste containers are open prior to opening container (TSR Requirement)	
Operator Initials: <u>JA</u>	
Column I: Waste Container	
Type of Container:	<u>55 gallon</u>
TRUCON Code:	<u>LA 24</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Less than or equal to 0.47 PE-Ci Limit?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Questionable structural integrity?	
Waste container ID:	<u>5814814</u>
Weight:	<u>4965 lbs 225.4 kgs</u>
RCRA designation:	<u>Hazardous</u>
RCRA findings:	<u>N/A</u>
RIGID LINER	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is rigid liner present?	
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> No If no, what type:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is rigid liner installed without a lid?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is liner vented?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is rigid liner lid removed and disposed of?	
Rigid Liner Integrity:	<u>good</u>
Comments:	
BREACHING LAYERS OF CONFINEMENT	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are there any bags present? If so, how many layers of confinement? <u>0</u>	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Have all bags been breached?	
Comments:	

LIQUIDS

Yes No Are liquids present?

Yes No Are liquids > 1"?

If liquids > 1", volume: 1/4 pint

Disposition of liquids:

Volume of absorbent added: 3 layers absorbent cloths + 2 ceeps

Comments: bottom drum
Drilled 4 holes 22-30

FILTER

Filter number: LAS 15 31

Filter Model: NFT

Filter date of manufacture: 8-94

Torque wrench file #: N/A

Torque calibration expiration date: N/A

Torque value: N/A

Filter Verification

Yes No Is the filter loose?

Yes No Is the filter sitting below the ring?

Yes No Is the filter hitting the waste

Comments:

Closure Date: 1.5.07

Yes No To the best of our knowledge this container is WIPP compliant.

	Printed Name	Signature	Date
Operator	³⁰ Julie Gallegos	<i>Julie Gallegos</i>	1.5.07
Operator Lead	³¹ Thomas Chavez	<i>Thomas Chavez</i>	1.5.07
Shift Operations Supervisor	³² Myra Roman	<i>Myra Roman</i>	1/5/07

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0045
Examination Date:	05/27/09
Waste Container ID:	S814814
Video/Audio Recorded Media Number:	LA-RTR2-09-0045 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ NCR No.: _____

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: <u>232.1</u> kg. Tare Wt: <u>34.1</u> kg. Net Wt: <u>198.0</u> kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	<u>95</u> %

Attachment 2 – CCP Radiography Data Sheet (Continued)

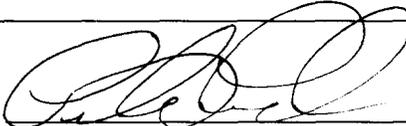
Waste Container ID: S814814

Section 3: Container Inventory and Comments (Detailed descriptions)
Plastic bags Solidified material (absorbent/sludge) ~5ml residual liquid in folds of bags @ 6"

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	197.0
Soils (S):	
Total WMP Weight:	198.0

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S814814

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: ~5ml residual liquid in folds of bags @ 6"			
RTR Operator: Pete Lucchini  05/27/09			
Print Name		Signature	Date

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S814814**

Search Stats: SearchCount: RecordsReturned: **10** Started: Completed: **9:19:27 AM** Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S814814	1LANDA1042	NDA			No
S814814	LA-RTR2-06-0379	NDE	NCR_REJECT		
S814814	LA-RTR2-07-0015	NDE	NCR_REJECT		
S814814	LA-RTR2-07-0219	NDE			No
S814814	LA-RTR2-09-0045	NDE			No
S814814	NCR-LANL0614070	NCR (Superseded)			SUPERCEDED
S814814	NCR-LANL0614071	NCR (Closed)	NCR_REJECT		
S814814	NCR-LANL0857070	NCR (Superseded)		Resolved	SUPERCEDED
S814814	NCR-LANL0966060	NCR (Superseded)			SUPERCEDED
S814814	NCR-LANL0966061	NCR (Closed)	NCR_REJECT		

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-06-0379	S814814	YES	NCR_REJECT by << NCRID:NCR-LANL0966061 >> Actual Condition:S835563; Liner not vented S850235; ~80ml liquid (>1") in fold of the bag @ 7", Liner not vented S850387; Liner not vented S850553; Liner not vented S804626; ~2L liquid (>1") between drum & liner @ 30" to 32", (>1% container volume S811284; ~1L liquid (>1") between liner & waste @ 31" S810183; ~2L liquid (>1") between liner & waste @ 31", (>1% container volume; ~60ml liquid (>1") in pocket of the waste @ 30" S822175; ~50ml liquid (>1") in pocket of the waste @ 31" S794289; ~50ml liquid (>1") between liner & waste @ 31" S814814; ~6L liquid (>1") @ 22" to 32", (>1% container volume S810426; ~9L liquid (>1") between liner and waste @ 12" to 32", (>1% container volume S800719; ~1Liter liquid (<1") between liner and waste @ 30" S810463; ~2Liters liquid (>1") between liner and drum @ 31", (>1% container volume S850301: Liner not vented S814257: ~7Liters liquid (>1) between liner and waste @ 13", (>1% container volume S850331: Liner not vented; ~150ml liquid (>1") in folds of bag @ 7" THIS NCR IS BEING REVISED TO CORRECT THE ACTUAL CONDITION FOR DRUM 800719. (proc-rjt_vaild)	Details
LA-RTR2-07-0015	S814814	YES	NCR_REJECT by << NCRID:NCR-LANL0614071 >> Actual Condition:S814257: ~7L non residual liquid between liner & drum @ 23", >1% container volume S822022: ~6L non residual liquid between liner & drum @ 24", >1% container volume S807017: ~5L non residual liquid between liner & drum @ 26", > 1% container volume S814814: ~9L non residual liquid between liner & drum @ 20", >1% container volume Reason for Revision 1: To remove container S822022 not completed and add that (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **9:19:28 AM** Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S814814	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **9:19:28 AM** Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S814814	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: **1** Started: Completed: **9:19:28 AM** Results

CONTAINERID	RELATION_MATRIX
S814814	LAS814814,S814814

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

Prohibited Item Dispositioning
In Dome 231 PermaCon

Document No.: EP-DOP-2108
Revision: 2
Effective Date: 1/05/09
Page: 48 of 53

Reference

Attachment 2

Page 1 of 2

Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date	03-07-09	For NCR or PWR No.	LAM-0284-07
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Waste Container Information

Use NA if information is not applicable

Verified no other waste container are open prior to opening container (TSR Requirement)
Operator Initials: LR

Column I: Waste Container

Type of Container: 55 GALLON

Waste Stream: LA-MEN-03-NC-003

YES NO Less than or equal to 0.47 PE-C Limit

YES NO Questionable structural integrity

YES NO NA Is the parent 85 gallon drum vented?

YES NO Is the parent 55 gallon drum vented?

Waste Container ID: S 815093

Weight: 462.0

RCRA designation (EPA Codes): F001

RCRA findings: HAZARDOUS

Parent drum RCRA empty? YES NO

RIGID LINER

YES NO Is rigid liner present?

Plastic NO If no, what type:

YES NO Is rigid liner installed without a lid?

YES NO Is liner vented?

YES NO Is rigid liner lid removed and disposed of?

Rigid Liner Integrity: SAT

Comments: Liner Lid vented per H GAS - Liner Lid cut into 2 pcs and placed on waste.

BREACHING LAYERS OF CONFINEMENT

YES NO Are there any Lags present? If so, many layers of confinement? 0

YES NO Have all bags been breached? N/A

Comments: 1 BAG ALREADY OPENED.

**Prohibited Item Dispositioning
In Dome 231 PermaCon**

Document No.: EP-DOP-2108
Revision: 2
Effective Date: 1/05/09
Page: 49 of 53

Reference

Attachment 2

Page 2 of 2

Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS

YES NO Are liquids present? **3 GALLON OF LIQUIDS FOUND & CUP**
Disposition of liquids: **OF ABSORBENT ADDED.**
Comments:

FILTER

Filter number: **AH-836**
Filter model: **NUCF11 01905**
Filter date of manufacture: **1-07**
Torque wrench file #: **19256**
Torque calibration expiration date: **6-19-09**
Torque value: **100 IN/LBS**

Filter Verification

YES NO Is the filter loose?
 YES NO Is the filter sitting below the ring?
 YES NO Is the filter hitting the waste?
Comments: **N/A**

Closure Date and Time: **03-07-09 1400**

YES NO To the best of our knowledge this container is WIPP compliant.

S 8/5093

	Printed Name	Signature	Date
Operator	Lawrence Rodriguez	<i>Lawrence Rodriguez</i>	03-07-09
Operator Lead	Philip Quintana	<i>Philip Quintana</i>	3-07-09
Shift Operations Supervisor	Onan Sanchez	<i>Onan Sanchez</i>	3-07-09

Filter #
Date -
Red TAG#

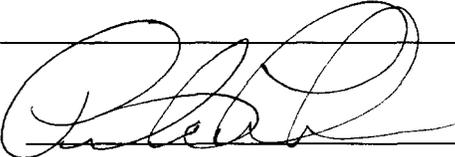
Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0044
Examination Date:	05/27/09
Waste Container ID:	S815093
Video/Audio Recorded Media Number:	LA-RTR2-09-0044 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ NCR No.: _____

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 209.8 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 175.7 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S815093

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Pete Lucchini</u>			<u>05/27/09</u>
Print Name	Signature		Date

Prohibited Item Dispositioning
In Dome 231 PermaCon

Document No.: EP-DOP-2108
Revision: 2
Effective Date: 1/05/09
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Reference

Attachment 2

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Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date 3/30/09	For NCR or PWR No. 0856 LANL-0156-08
----------------------------------	--

K02 147/2010

Waste Container Information

Use NA if information is not applicable

Verified no other waste container are open prior to opening container (TSR Requirement) Operator Initials: 9C
Column I: Waste Container
Type of Container: 55 GAL
Waste Stream: MIN03 10/21/2010 K0E LA-MIN-NC.001
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PB-C Limit
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Questionable structural integrity
<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA Is the parent 85 gallon drum vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?
Waste Container ID: S815118
Weight: 463.2 LBS
RCRA designation (EPA Codes): F001
RCRA findings: HAZARDOUS
Parent drum RCRA empty? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner lid removed and disposed of?
Rigid Liner Integrity: SAT
Comments: LINER LID VENTED PER H-GAS LINER LID CUT INTO 2 Pcs. AND PLACED ON WASTE
BREACHING LAYERS OF CONFINEMENT
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Leaks present? If so, many layers of confinement?
<input type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? N/A
Comments: 1 BAG ALREADY OPEN

037

Reference

Attachment 2

Page 2 of 2

Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS

YES NO Are liquids present?

Disposition of liquids:

Comments:

N/A

5-GAL OF LIQUID

13-CUPS OF ABSORBENT

FILTER

Filter number: IG-1423

Filter model: NUC FIL 019AS

Filter date of manufacture: 9/06

Torque wrench file #: 19256

Torque calibration expiration date: 6/19/09

Torque value: 100 IN/LBS

Filter Verification

YES NO Is the filter loose?

YES NO Is the filter sitting below the ring?

YES NO Is the filter hitting the waste?

Comments:

N/A

Closure Date and Time:

3/30/09

16:04 hrs

YES NO To the best of our knowledge this container is WIPP compliant.

5815118

	Printed Name	Signature	Date
Operator	Jon R Cassee	Jon R Cassee	3/30/09
Operator Lead	Roberto Basso	Roberto Basso	3/30/09
Shift Operations Supervisor	Orlan Sanchez	Orlan Sanchez	3/30/09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0061
Examination Date:	06/16/09
Waste Container ID:	S815118
Video/Audio Recorded Media Number:	LA-RTR2-09-0061 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: <u>222.7</u> kg. Tare Wt: <u>34.1</u> kg. Net Wt: <u>188.6</u> kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	<u>95</u> %

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S815118**

Search Stats: SearchCount: RecordsReturned: 4 Started: Completed: 10:48:26 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S815118	1LANDA1073	NDA			No
S815118	LA-RTR2-08-0144	NDE	NCR_REJECT		
S815118	LA-RTR2-09-0061	NDE			No
S815118	NCR-LANL0856080	NCR (Closed)	NCR_REJECT	Resolved	

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-08-0144	S815118	YES	NCR_REJECT by << NCRID:NCR-LANL0856080 >> Actual Condition:~125ml non-residual liquid in folds of plastic @ 4" ~2L non-residual liquid between drum and liner @ 30", > 1% container volume (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 10:48:27 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S815118	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 10:48:27 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S815118	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 10:48:27 AM Results

CONTAINERID	RELATION_MATRIX
S815118	LAS815118,S815118

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

**Prohibited Item Dispositioning
In Dome 231 PermaCon**

Document No.: EP-DOP-2108
Revision: 3
Effective Date: 5/7/09
Page: 48 of 53

Reference

Attachment 2

Page 1 of 2

Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date 5-27-09	For NCR or PWR No. LANL-0941-07
-------------------------------	--

Waste Container Information

Use NA if information is not applicable

IPC-1

Column I: Waste Container	
Type of Container:	55 Gallon
Waste Stream:	LA - MIN 03 - NC - 001
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Less than or equal to 0.47 PE-Ci Limit
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Questionable structural integrity
<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA	Is the parent 85 gallon drum vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Is the parent 55 gallon drum vented?
Waste Container ID:	S816957
Weight:	444.6
RCRA designation (EPA Codes):	F001
RCRA findings:	Hazardous
Parent drum RCRA empty?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO	If no, what type:
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Is liner vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Is rigid liner lid removed and disposed of?
Rigid Liner Integrity:	SAT
Comments:	Liner lid vented per H-Gas Liner lid cut into 2 pcs and placed on waste.
BREACHING LAYERS OF CONFINEMENT	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Are there any Bags present? If so, many layers of confinement? 0
<input type="checkbox"/> YES <input type="checkbox"/> NO	Have all bags been breached? N/A
Comments:	1 bag already open

**Prohibited Item Dispositioning
In Dome 231 PermaCon**

Document No.: EP-DOP-2108 IPC-1
Revision: 3
Effective Date: 5/7/2009
Page: 49 of 53

Reference

Attachment 2

Page 2 of 2

Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are liquids present? Disposition of liquids: Comments:	<p style="font-size: 1.5em;">3 GALLONS OF liquid</p> <p style="font-size: 1.5em;">5 CUPS OF Absorbant</p>
FILTER	
Filter number: BI 1375 Filter model: NLCF11019DS Filter date of manufacture: 2/09 Torque wrench file #: 19256 Torque calibration expiration date: 6-19-09 Torque value: 100 in/LBS	Filter Verification
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter loose? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the filter sitting below the ring? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter hitting the waste? Comments: N/A	
Closure Date and Time: 5/27/09 1050	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO To the best of our knowledge this container is WIPP compliant.	

3816957

	Printed Name	Signature	Date
Operator	MARK J ROMERO	<i>Mark J Romero</i>	5/27/09
Operator Lead	TIMMY ROMERO	<i>Timmy Romero</i>	5/27/09
Shift Operations Supervisor	SHADY L. MOORE III	<i>Shady L. Moore III</i>	5/27/09

Attachment 2 – CCP Radiography Data Sheet

Page 1 of 3

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0046
Examination Date:	05/29/09
Waste Container ID:	S816957
Video/Audio Recorded Media Number:	LA-RTR2-09-0046 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ NCR No.: _____

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 204.5 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 170.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

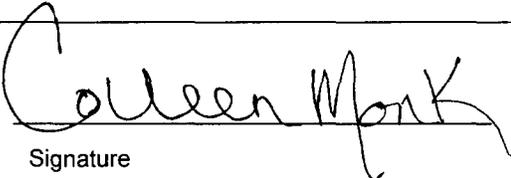
Waste Container ID: S816957

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal, metal banding
Plastic bags
Solidified material (sludge/absorbent)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	168.9
Soils (S):	
Total WMP Weight:	170.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S816957

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Colleen Monk</u>			<u>05/29/09</u>
Print Name	Signature		Date

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S816957**

Search Stats: SearchCount: RecordsReturned: 6 Started: Completed: 10:50:54 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S816957	2LANDA0618	NDA			No
S816957	LA-RTR2-07-0287	NDE	NCR_REJECT		
S816957	LA-RTR2-09-0046	NDE			No
S816957	NCR-LANL0941070	NCR (Superseded)			SUPERCEDED
S816957	NCR-LANL0941071	NCR (Superseded)		Resolved	SUPERCEDED
S816957	NCR-LANL0941072	NCR (Closed)	NCR_REJECT	Resolved	

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-07-0287	S816957	YES	NCR_REJECT by << NCRID:NCR-LANL0941072 >> Actual Condition:S804773: ~3L non-residual liquid between liner and drum @ 30" to 32", >1% container volume. Reason for Revision 1: Delete drum S816117 as it has been determined to be LLW, has been returned to LANL. Revised final disposition. Reason for Revision 2: See Attachment 1 for completed drums. (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 10:50:55 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S816957	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 10:50:55 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S816957	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 10:50:55 AM Results

CONTAINERID	RELATION_MATRIX
S816957	LAS816957,S816957

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

PROHIBITED ITEM DISPOSITIONING (PID) OF TRU WASTE

Operation Date: <u>8/25/08</u>	For NCR or PWR No.: <u>CAIVL 0661-08</u>
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Waste Container Information

Use NA if information is not applicable

Verified no other waste containers are open prior to opening container (TSR Requirement)
Operator Initials: <u>BR</u>
Column I: Waste Container
Type of Container: <u>55 Gallon</u>
Waste Stream: <u>LA-MIN03-NC,001</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Less than or equal to 0.47 PE-Ci Limit?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Questionable structural integrity?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Is the parent 85 gallon drum vented?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is the parent 55 gallon drum vented?
Waste container ID: <u>5821633</u>
Weight: <u>467.5</u>
RCRA designation (EPA Codes): <u>7-01</u>
RCRA findings: <u>HAZARDOUS</u>
Parent drum RCRA empty? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
RIGID LINER
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> No If no, what type:
<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is liner vented?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is rigid liner lid removed and disposed of?
Rigid Liner Integrity: <u>SAT</u>
Comments: <u>liner lid vented per H-Gas. Liner lid cut into 2 pcs and placed on waste</u>
BREACHING LAYERS OF CONFINEMENT
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Are there any bags present? If so, how many layers of confinement? <u>0</u>
<input type="checkbox"/> Yes <input type="checkbox"/> No Have all bags been breached? <u>N/A</u>
Comments: <u>1 Bag already opened</u>

048

5821633

LIQUIDS	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Are liquids present?
Disposition of liquids: 12 gallon liquid found, 16 cups absorbent added	
Comments: liquids solidified	
FILTER	
Filter number: 1G-642	
Filter Model: NVC-Fil 019DS	
Filter date of manufacture: 9/06	
Torque wrench file #: 030775	
Torque calibration expiration date: 12-09	
Torque value: 10 Ft lbs	
Filter Verification	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is the filter loose?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is the filter sitting below the ring?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is the filter hitting the waste?
Comments: n/a	
Closure Date and Time: 8/25/08 1400	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	To the best of our knowledge this container is WIPP compliant.

	Printed Name	Signature	Date
Operator	Benjamin Rodriguez	<i>[Signature]</i>	8/25/08
Operator Lead	Tim WELGEL	<i>[Signature]</i>	8/25/08
Shift Operations Supervisor	Gary Alamy	<i>[Signature]</i>	8-25-08

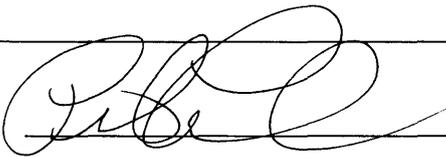
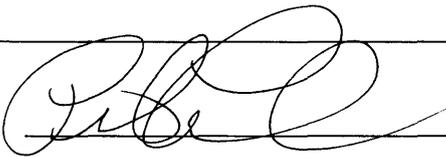
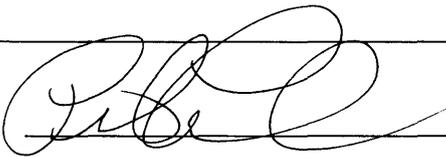
Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-08-0143
Examination Date:	09/03/08
Waste Container ID:	S821633
Video/Audio Recorded Media Number:	LA-RTR2-08-0143 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ NCR No.: _____

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: <u>213.7</u> kg. Tare Wt: <u>34.1</u> kg. Net Wt: <u>179.6</u> kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	<u>95</u> %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S821633

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A						
Is there liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>						
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
TRUPACT II Criteria									
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>							
Comments: N/A									
RTR Operator: <table style="width: 100%; border: none;"> <tr> <td style="width: 35%; border-bottom: 1px solid black; text-align: center;">Pete Lucchini</td> <td style="width: 35%; border-bottom: 1px solid black; text-align: center;"></td> <td style="width: 30%; border-bottom: 1px solid black; text-align: center;">09/03/08</td> </tr> <tr> <td style="text-align: center;">Print Name</td> <td style="text-align: center;">Signature</td> <td style="text-align: center;">Date</td> </tr> </table>				Pete Lucchini		09/03/08	Print Name	Signature	Date
Pete Lucchini		09/03/08							
Print Name	Signature	Date							

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S821633**

Search Stats: SearchCount: RecordsReturned: 6 Started: Completed: 10:54:02 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S821633	1LANDA0969	NDA			No
S821633	LA-RTR2-05-0154	NDE	NCR_HOLD		No
S821633	LA-RTR2-08-0047	NDE			No
S821633	LA-RTR2-08-0143	NDE			No
S821633	NCR-LANL0174050	NCR (Closed)	NCR_HOLD		Rework
S821633	NCR-LANL0661080	NCR (Superseded)			SUPERCEDED

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-05-0154	S821633	NO	NCR_HOLD by << NCRID:NCR-LANL0174050 >> Actual Condition:~ 3L of liquid (>1", >1%) from 6" to 12" (proc-hld_valid)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 10:54:02 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S821633	LA-MIN03-NC.001			4	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 10:54:02 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S821633	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 10:54:02 AM Results

CONTAINERID	RELATION_MATRIX
S821633	LAS821633,S821633

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

Prohibited Item Dispositioning
In Dome 231 PermaCon

Document No.: EP-DOP-2108
Revision: 2
Effective Date: 1/05/09
Page: 48 of 53

Reference

Attachment 2

Page 1 of 2

Prohibited Item Dispositioning (PID) of TRU Waste
Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date	04/20/09	For NCR or PWR No.	ALD-NER
----------------	----------	--------------------	---------

Waste Container Information

LANL -0930 -07 K07
12/7/20

Use NA if information is not applicable

Verified no other waste container are open prior to opening container (TSR Requirement) Operator Initials: <u>JK</u>	
Column I: Waste Container	
Type of Container:	85 GALLON
Waste Stream:	LA - MIN - 03 . NO . 001
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PE-C Limit	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Questionable structural integrity <u>Placed back into 85</u>	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA Is the parent 85 gallon drum vented?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?	
Waste Container ID:	5 823764
Weight:	519.5
RCRA designation (EPA Codes):	F001
RCRA findings:	HAZARDOUS
Parent drum RCRA empty?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner present?	
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is rigid liner installed without a lid?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner lid removed and disposed of?	
Rigid Liner Integrity:	SAT
Comments:	Liner Lid vented per HBAS. Liner Lid cut into 2 pcs and placed on waste.
BREACHING LAYERS OF CONFINMENT	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Lags present? If so, many layers of confinement? <u>0</u>	
<input type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? <u>NA</u>	
Comments:	1 BAG ALREADY OPENED

**Prohibited Item Dispositioning
In Dome 231 PermaCon**

Document No.: EP-DOP-2108
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Attachment 2

Page 2 of 2

Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are liquids present?	3 GALLON Liquids 11 CUPS
Disposition of liquids:	OF Absorbent Added solidified
Comments:	Liquids.
FILTER	
Filter number:	LB-732
Filter model:	NUCF101915
Filter date of manufacture:	12-06
Torque wrench file #:	19256
Torque calibration expiration date:	6-19-09
Torque value:	100'N/165
Filter Verification	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter loose?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the filter sitting below the ring?	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter hitting the waste?	
Comments:	N/A
Closure Date and Time:	04/20/09 01102
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO To the best of our knowledge this container is WIPP compliant.	

S 823762

	Printed Name	Signature	Date
Operator	Lawrence Rodriguez	<i>Lawrence Rodriguez</i>	04/20/09
Operator Lead	Philip Quintana	<i>Philip Quintana</i>	4/20/09
Shift Operations Supervisor	Oran Sanchez	<i>Oran Sanchez</i>	4/20/09

Filter # LAL-3727
Date - 12-98
Red Tag - 0007243
~~LAL # 37~~
3/2
2/20/09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0154
Examination Date:	10/14/09
Waste Container ID:	S823764
Video/Audio Recorded Media Number:	LA-RTR2-09-0154 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 206.3 _____ kg. Tare Wt: _____ 35.1 _____ kg. Net Wt: _____ 171.2 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Punctured Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

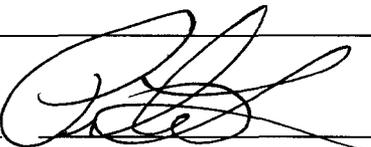
Waste Container ID: S823764

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal, metal banding material
Plastic bag, plastic tags
Absorbent, solidified material (Sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	7.4
Others:	0.0
Total Packaging Weight:	35.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.2
Organic Matrix (OR):	
Inorganic Matrix (IN):	169.2
Soils (S):	
Total WMP Weight:	171.2

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S823764

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
<u>Pete Lucchini</u>			<u>10/14/09</u>
Print Name	Signature		Date

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S823764**

Search Stats: SearchCount: RecordsReturned: 5 Started: Completed: 10:56:24 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S823764	1LANDA1125	NDA			No
S823764	LA-RTR2-07-0276	NDE	NCR_REJECT		
S823764	LA-RTR2-09-0154	NDE			No
S823764	NCR-LANL0409070	NCR (Closed)	NCR_HOLD		Rework
S823764	NCR-LANL0930070	NCR (Closed)	NCR_REJECT	Resolved	

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-07-0276	S823764	YES	NCR_REJECT by << NCRID:NCR-LANL0930070 >> Actual Condition:S823764 - ~150ml non-residual liquid in pockets of the waste @ 17 to 18". (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 10:56:24 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S823764	LA-MIN03-NC.001			2	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 10:56:24 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S823764	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 10:56:24 AM Results

CONTAINERID	RELATION_MATRIX
S823764	LAS823764,S823764

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

Prohibited Item Dispositioning
In Dome 231 PermaCou

Document No.: EP-DOP-2108
Revision: 3
Effective Date: 5/7/09
Page: 48 of 53

Reference

Attachment 2

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Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date 6-12-09	For NCR or PWR No. LA-RTR2-08-0177 NA KOR 12/7/2010
------------------------	--

Waste Container Information

Use NA if information is not applicable

IPC-1

Column I: Waste Container

Type of Container: 85 Gallon
Waste Stream: LA-MIN03-NC.001
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PE-Ci Limit
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Questionable structural integrity
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ^{NA} Is the parent 85 gallon drum vented? ^{ML 6/12/09}
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?
Waste Container ID: S841056
Weight: 548.4
RCRA designation (EPA Codes): K001
RCRA findings: Hazardous
Parent drum RCRA empty? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner lid removed and disposed of?
Rigid Liner Integrity: Sat
Comments: Liner Lid vented per H-GAS. Liner lid cut into 2ps and placed on waste
BREACHING LAYERS OF CONFINEMENT
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Bags present? If so, many layers of confinement? 0
<input type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? N/A
Comments: 1 Bag Already open

Reference

Attachment 2

Page 2 of 2

Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are liquids present? Disposition of liquids: Comments:	3 - Gallons of Liquids 6 - Cups of Absorbent
FILTER	
Filter number: <u>CJ-271</u> Filter model: <u>Nuefil 01905</u> Filter date of manufacture: <u>3/09</u> Torque wrench file #: <u>TW-19254</u> Torque calibration expiration date: <u>4/19/09</u> Torque value: <u>100 in / lbs</u>	
Filter Verification	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter loose? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the filter sitting below the ring? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter hitting the waste? Comments:	
Closure Date and Time: <u>6/12/09</u>	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO To the best of our knowledge this container is WIPP compliant.	

5841054

	Printed Name	Signature	Date
Operator	Manuel Leyba	<i>[Signature]</i>	6-12-09
Operator Lead	Ben Rodriguez	<i>[Signature]</i>	6-12-09
Shift Operations Supervisor	T. WELLS	<i>[Signature]</i>	6-12-09

LAWL-9650

12-98

0013899

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-10-0002
Examination Date:	01/05/10
Waste Container ID:	S841056
Video/Audio Recorded Media Number:	LA-RTR2-10-0002 A
Procedure and Revision No.:	CCP-TP-053 Rev. 7
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 215.1 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 181.0 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S841056

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal Closure ring, scrap metal, hand tool
Absorbent
Plastic bag, cut up liner lid
Solidified material (sludge)
1.4 L between the drum and the liner at 30 inches

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	1.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	5.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	173.0
Soils (S):	
Total WMP Weight:	181.0

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S841056

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: 1.4 L between the drum and the liner at 30 inches			
RTR Operator:			
<u>Eric Lyles</u>		<u>01/05/10</u>	
Print Name	Signature	Date	

Reference

Attachment 2

Page 1 of 2

Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date <u>3-18-09</u>	For NCR or PWR No. <u>0895-05</u>
-------------------------------	-----------------------------------

Waste Container Information

Use NA if information is not applicable

Verified no other waste container are open prior to opening container (TSR Requirement) Operator Initials: <u>OS</u>
Column I: Waste Container
Type of Container: <u>55 Gallon</u>
Waste Stream: <u>LA-MINO3-NC-001</u>
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PE-CLimit
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Questionable structural integrity
<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA Is the parent 85 gallon drum vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?
Waste Container ID: <u>5841580</u>
Weight: <u>426.8</u>
RCRA designation (EPA Codes): <u>FOO1</u>
RCRA findings: <u>Hazardous</u>
Parent drum RCRA empty? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner lid removed and disposed of?
Rigid Liner Integrity: <u>SAT</u>
Comments: <u>Rigid lid vented per H-Gas. Rigid lid cut into 2 pcs. and placed on waste</u>
BREACHING LAYERS OF CONFINEMENT
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Lags present? If so, many layers of confinement? <u>0</u>
<input type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? <u>NA</u>
Comments: <u>1 bag already open</u>

Reference

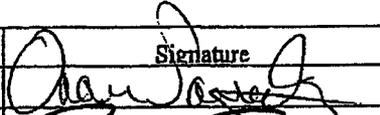
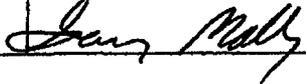
Attachment 2

Page 2 of 2

Prohibited Item Dispositioning (PID) of TRU Waste (continued)

LIQUIDS	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are liquids present? 3 Gal. of liquid	
Disposition of liquids: 6 cups of absorbent	
Comments:	
FILTER	
Filter number: AH-1074	
Filter model: Nucf:1 09DS	
Filter date of manufacture: 1-07	
Torque wrench file #: 19256	
Torque calibration expiration date: 6-19-05	
Torque value: 100 inc. lbs	
Filter Verification	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter loose?	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the filter sitting below the ring?	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter hitting the waste?	
Comments: N/A	
Closure Date and Time: 3-18-09 1555	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO To the best of our knowledge this container is WIPP compliant.	

5841580

	Printed Name	Signature	Date
Operator	Oran Sanchez		3-18-09
Operator Lead	Ben Rodriguez		3-18-09
Shift Operations Supervisor	Learn Mady		3-18-09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0151
Examination Date:	10/13/09
Waste Container ID:	S841580
Video/Audio Recorded Media Number:	LA-RTR2-09-0151 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 183.8 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 149.7 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 75 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S841580

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal closure ring, hand tool, scrap metal
Liner lid cut up, plastic bag
Absorbent, solidified material (Sludge)
450 ML. of residual liquid between the drum and liner at 31" to 32"

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	1.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	146.5
Soils (S):	
Total WMP Weight:	149.7

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S841580

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: 450 ML. of residual liquid between the drum and liner at 31" to 32"			
RTR Operator: Pete Lucchini  10/13/09			
Print Name		Signature	Date

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S841580**

Search Stats: SearchCount: RecordsReturned: 4 Started: Completed: 11:02:26 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S841580	2LANDA0498	NDA			No
S841580	LA-RTR2-05-0082	NDE	NCR_REJECT		
S841580	LA-RTR2-09-0151	NDE			No
S841580	NCR-LANL0095050	NCR (Closed)	NCR_REJECT	Resolved	

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR2-05-0082	S841580	YES	NCR_REJECT by << NCRID:NCR-LANL0095050 >> Actual Condition:1. Greater than 1" of liquid @ 30", greater than 1% volume of liquid in drum. 2. No liner venting. (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 11:02:35 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S841580	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 11:02:36 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S841580	LA-MIN03-NC.001		01/26/2004		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 11:02:36 AM Results

CONTAINERID	RELATION_MATRIX
S841580	LAS841580,S841580

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.

Reference

Attachment 2

Page 1 of 2

Prohibited Item Dispositioning (PID) of TRU Waste
Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date 6-9-09	For NCR or PWR No. 0622-09
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Waste Container Information

Use NA if information is not applicable

IPC-1

Column I: Waste Container
Type of Container: 55 Gallon
Waste Stream: LA-MIN 03-NC.001
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PE-Ci Limit
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Questionable structural integrity
<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA Is the parent 85 gallon drum vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?
Waste Container ID: S 850477
Weight: 357.0
RCRA designation (EPA Codes): F-001
RCRA findings: Hazardous
Parent drum RCRA empty? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is rigid liner lid removed and disposed of?
Rigid Liner Integrity: SAT
Comments: Liner Lid cut in 2 pcs and placed on waste.
BREACHING LAYERS OF CONFINEMENT
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Bags present? If so, many layers of confinement? 0
<input type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? N/A
Comments: 1 bag Already open

**Prohibited Item Dispositioning
In Dome 231 PermaCon**

Document No.: EP-DOP-2108
Revision: 2
Effective Date: 1/05/09
Page: 49 of 53

Reference

Attachment 2

Page 2 of 2

Prohibited Item Dispositioning (PID) of TRU Waste (continued)

<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are liquids present? Disposition of liquids: Comments: N/A	<p style="text-align: center;">LIQUIDS</p> <p>5 Gallons liquid 9 cups absorbant.</p>
FILTER	
Filter number: CJ-300 Filter model: Nucfil 019 DS Filter date of manufacture: 3/09 Torque wrench file #: 19256 Torque calibration expiration date: 6-19-09 Torque value: 100 in/lbs	
Filter Verification	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter loose? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the filter sitting below the ring? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter hitting the waste? Comments: N/A	
Closure Date and Time: 6-9-09 1255	
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO To the best of our knowledge this container is WIPP compliant.	

5850477

	Printed Name	Signature	Date
Operator	Timothy Pacheco	<i>[Signature]</i>	6-9-09
Operator Lead	John Pacheco	<i>[Signature]</i>	6-9-09
Shift Operations Supervisor	Alan Sanchez	<i>[Signature]</i>	6-9-09

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID and Location:	LANL
Batch Number:	LA-RTR2-09-0058
Examination Date:	06/12/09
Waste Container ID:	S850477
Video/Audio Recorded Media Number:	LA-RTR2-09-0058 A
Procedure and Revision No.:	CCP-TP-053 Rev. 6
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 164.6 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 130.5 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 70 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

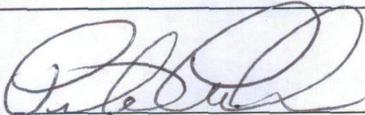
Waste Container ID: S850477

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal (NSW)
Plastic bags, liner lid (cut up)
Absorbent, sludge (solidified material)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	128.5
Soils (S):	
Total WMP Weight:	130.5

Attachment 2 – CCP Radiography Data Sheet (Continued)

Waste Container ID: S850477

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No	N/A
Is there liquid in the container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there any liquid in the waste, including internal containers, that DOES NOT meet the criteria of residual (waste shall contain as little residual liquid as is reasonably achievable by pouring, pumping and/or aspirating, and internal containers shall contain less than 1 inch or 2.5 centimeters of liquid in the bottom of the container)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the total volume of liquid in the container GREATER than 1% of the container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there detectable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code[s])?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of polychlorinated biphenyls (PCBs) not authorized under an EPA PCB waste disposal authorization?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
TRUPACT II Criteria			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are there indications of inadequate protection (blocked or braced) for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator: <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <u>Pete Lucchini</u> Print Name </div> <div style="text-align: center;">  Signature </div> <div style="text-align: center;"> <u>06/12/09</u> Date </div> </div>			

Central Characterization Project

Data Center / Tracking Systems Portal (Version 1.0)

Home	Data Package Tracking (P-TS)	QA Data	Acceptable Knowledge (AK)	Search	Training	Records	M&TE	Report Services
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-Search Results:
ContainerID: **S850477**

Search Stats: SearchCount: RecordsReturned: 7 Started: Completed: 11:05:31 AM Results

CONTAINERID	ITEMNO	ITEMTYPE	CONTAINER_STATUS	RESOLVED	REJECT
S850477	2LANDA0427	NDA			No
S850477	LA-RTR1-04-0003	NDE	NCR_REJECT		
S850477	LA-RTR2-09-0031	NDE	NCR_REJECT		
S850477	LA-RTR2-09-0058	NDE			No
S850477	NCR-LANL0424040	NCR (Closed)	NCR_REJECT		
S850477	NCR-LANL0607040	NCR (Closed)	NCR_REJECT		
S850477	NCR-LANL0627090	NCR (Closed)	NCR_REJECT	Resolved	

Reject Data:

BDRID	CONTAINERID	REJECTED	STATUS_DESCRIPTION	NCR
LA-RTR1-04-0003	S850477	YES	NCR_REJECT by << NCRID:NCR-LANL0607040 >> Actual Condition:approximately 2 liters of liquid in drum (proc-rjt_vaild)	Details
LA-RTR2-09-0031	S850477	YES	NCR_REJECT by << NCRID:NCR-LANL0627090 >> Actual Condition:~6L non residual liquid at top of the waste @ 17" >1% container volume (proc-rjt_vaild)	Details

ContainerID Lot Data:

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 11:05:36 AM Results

CONTAINERID	WSID	CONTAINERTYPE	LOTID	RS_LOTID	INL_LOTID_COMMENT	UNQID
S850477	LA-MIN03-NC.001			1	Lot 74 LANL AK4 LA-MIN03-NC.001	Details

End Search Listing

Current AK DATA for [LANL]:

(* - denotes results 24 hrs dated)

Search Stats: ContainerSearchCount: RecordsReturned: 1 Started: Completed: 11:05:36 AM Results

CONTAINERID	WASTESTREAM	WDS	VENTDATE	OVERPACK *	OVERPACK_STATUS *
S850477	LA-MIN03-NC.001		12/31/1999		

End Search Listing

ContainerID Relation Data:

Search Stats: ContainerSearchCount: RecordsReturned: 2 Started: Completed: 11:05:36 AM Results

CONTAINERID	RELATION_MATRIX
LAS850477	LAS850477,S850477
S850477	LAS850477,S850477

End Search Listing

Note: This search uses the Relationship Matrix established from current AK data. ALL search results must be verified.