 **ENTERED**
Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221
MAY - 4 2011

MAY 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 Los Alamos National Laboratory (LANL) procedures; and
- C. Evidence that Non-Conformance Reports (NCRs) written for prohibited liquid have been dispositioned appropriately by the Central Characterization Project (CCP).

Enclosed is a digital video disk (DVD) containing the required documents for 49 containers listed on the enclosure 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. The containers listed with an asterisk (*) do not have a NCR written due to the prohibited liquid being identified during RTR pre-screen. The PID for some container shows the parent containers and the daughter container. These daughter containers passed RTR and do not have a nonconformance report. **All containers in this group are daughter drums.** The PID does identify that the container has been remediated for liquids.

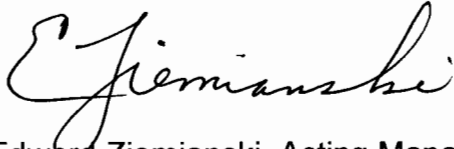
We certify under penalty of law that this document and all enclosures were prepared under our direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our inquiry of the person or persons who manage the 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.

James Bearzi

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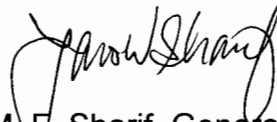
MAY - 4 2011

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



Edward Ziemianski, Acting Manager
Carlsbad Field Office

Sincerely,



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

Enclosure

cc: w/enclosure
S. Zappe, NMED

*ED

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

*ED denotes electronic distribution

**Los Alamos National Laboratory (LANL) LA-MIN03-NC.001
Listed Containers**

LANL LA-MIN03-NC.001 Containers		
#	Container ID	RTR BDR's
1.	85389	LA-RTR2-10-0126_R1
2.	85478	LA-RTR2-10-0127_R1
3.	85492	LA-RTR2-10-0155
4.	85501	LA-RTR2-10-0154
5.	85505	LA-RTR2-10-0127_R1
6.	85863	LA-RTR2-10-0152
7.	87026	LA-RTR2-11-0001
8.	87034	LA-RTR2-11-0001
9.	87040	LA-RTR2-11-0002
10.	87045	LA-RTR2-11-0003
11.	87049	LA-RTR2-11-0003
12.	87056	LA-RTR2-11-0003
13.	87057	LA-RTR2-10-0154
14.	87067	LA-RTR2-11-0001
15.	87068	LA-RTR2-11-0001
16.	87075	LA-RTR2-11-0001
17.	87076	LA-RTR2-11-0001
18.	87079	LA-RTR2-11-0001
19.	87089	LA-RTR2-11-0001
20.	87094	LA-RTR2-11-0001
21.	87098	LA-RTR2-11-0002
22.	87101	LA-RTR2-11-0002
23.	87108	LA-RTR2-11-0002
24.	87117	LA-RTR2-11-0002
25.	87161	LA-RTR2-11-0002
26.	87163	LA-RTR2-11-0002
27.	87166	LA-RTR2-11-0002
28.	87167	LA-RTR2-11-0003
29.	87179	LA-RTR2-11-0003
30.	87181	LA-RTR2-11-0003
31.	87186	LA-RTR2-11-0003
32.	87190	LA-RTR2-10-0149
33.	87192	LA-RTR2-11-0002
34.	87199	LA-RTR2-11-0002
35.	87201	LA-RTR2-11-0002
36.	87205	LA-RTR2-10-0149
37.	87207	LA-RTR2-10-0149
38.	87212	LA-RTR2-10-0149
39.	87218	LA-RTR2-10-0149
40.	87225	LA-RTR2-10-0153
41.	87231	LA-RTR2-10-0153
42.	87236	LA-RTR2-10-0153

Los Alamos National Laboratory (LANL) LA-MIN03-NC.001
Listed Containers

LANL LA-MIN03-NC.001 Containers		
#	Container ID	RTR BDR's
43.	87241	LA-RTR2-10-0149
44.	87244	LA-RTR2-10-0149
45.	87249	LA-RTR2-10-0149
46.	87255	LA-RTR2-10-0149
47.	87256	LA-RTR2-10-0149
48.	87261	LA-RTR2-10-0149
49.	87262	LA-RTR2-10-0149



Tuesday, April 12, 2011

CONTAINERID: 85389

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
85389	55G	LA00000085389	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	4 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0700	NDA	Complete
LA-RTR2-10-0126_R1	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
85389	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
85389	NO DATA				

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 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:	85389
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: _____ 213.4 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 179.3 _____ 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)

Page 2 of 3

Waste Container ID: 85389

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Absorbent
Cut up liner lids, plastic bags
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):	175.8
Soils (S):	
Total WMP Weight:	179.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 85389

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	

Signature

Date

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

Page 1 of 2

LIQUID REMEDIATION CHECKLIST10[13] Date: 5.4.1010[3] Parent Drum No.: 580048511[15] Daughter Drum No.: 85389

Step	Condition
10[14]	RCRA Designation (EPA Codes): <u>D007 F001 F002</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 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: 5.4.10

10[3] Parent Drum No.: S800485

11[15] Daughter Drum No.: 85389

Comments: N/C

10[76] Performed By: JOHN MARCHEZ [Signature] 206784 5.4.10
Name (Print) Signature Z# Date

10[78] Supervision: GIAA-M. SANDERSON [Signature] 206784 5.4.10
Name (Print) Signature Z# Date

CONTAINERID: 85478

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
85478	55G	LA00000085478	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	1 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0700	NDA	Complete
LA-RTR2-10-0127_R1	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
85478	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
85478	NO DATA				

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 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:	85478
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: _____ 220.9 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 186.8 _____ 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)

Page 2 of 3

Waste Container ID: 85478

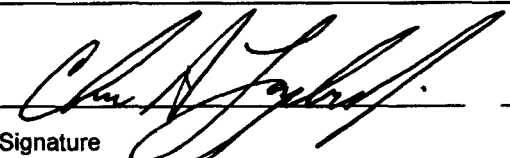
<p>Absorbent</p> <p>Plastic bags</p> <p>Solidified material (sludge)</p>	
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Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Others:	0.0
Total Packaging Weight:	34.1
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	1.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	185.3
Soils (S):	
Total WMP Weight:	186.8

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 85478

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 CHECKLIST10[13] Date: 5.6.1010[3] Parent Drum No.: 58059211[15] Daughter Drum No.: 85478

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>5 Lb</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: 2

Effective Date: 05/06/10

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.6.10

10[3] Parent Drum No.: 5800592

11[15] Daughter Drum No.: 85478

Comments:

N/C

10[76] Performed By: JOHN MARTINEZ [Signature] 206784 5.6.10
Name (Print) Signature Z # Date

10[78] Supervision: Gina M. Sands [Signature] 234784 5-6-10
Name (Print) Signature Z # Date

CONTAINERID: 85492

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
85492	55G	LA00000085492	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	1 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0732	NDA	Complete
LA-RTR2-10-0155	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
85492	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
85492		NO DATA			

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0155
Examination Date:	12/21/2010
Waste Container ID:	85492
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: _____ 205.7 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 171.6 _____ 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)

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Waste Container ID: 85492


Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bag, piece of 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):	0.8
Organic Matrix (OR):	
Inorganic Matrix (IN):	169.3
Soils (S):	
Total WMP Weight:	171.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 85492

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
			12/21/2010

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LIQUID REMEDIATION CHECKLIST10[13] Date: 5-10-1010[3] Parent Drum No.: 580384011[15] Daughter Drum No.: 65492

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>2-11-11</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

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5.10.10

10[3] Parent Drum No.: S 803048

11[15] Daughter Drum No.: 85492

Comments: N/C

10[76] Performed By: John Martinez [Signature] 206784 5.10.10
Name (Print) Signature Z# Date

10[78] Supervision: Gina H. Smith [Signature] 234254 5.11.10
Name (Print) Signature Z# Date

CONTAINERID: 85501

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
85501	55G	LA00000085501	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	1 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0731	NDA	Complete
LA-RTR2-10-0154	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
85501	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
85501	NO DATA				

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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:	85501
Video/Audio Recorded Media Number:	LA-RTR2-10-0154
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (e.g., Prohibited Items)
	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: 194.5 kg. Tare Wt: 36.4 24.4 kg. Net Wt: 158.4 160.1 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)

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Waste Container ID: 85501

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, liner bag, 20 1/2" x 14"	8.4 6.7 20 1/2" x 14"
Others:	0.0
Total Packaging Weight:	36.1 34.4 20 1/2" x 14"
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):	156.0 157.7 20 1/2" x 14"
Soils (S):	
Total WMP Weight:	458.4 160.1 20 1/2" x 14"

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 85501

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	

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LIQUID REMEDIATION CHECKLIST10[13] Date: 5-11-1010[3] Parent Drum No.: 580055311[15] Daughter Drum No.: 85501

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>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

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-11-10

10[3] Parent Drum No.: SP00553

11[15] Daughter Drum No.: BSS01

Comments:

N/C

10[76] Performed By:

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

10[78] Supervision:

Chen Sanchez [Signature] 1176-4451 5/12/10
Name (Print) Signature Z # Date

CONTAINERID: 85505

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
85505	55G	LA00000085505	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	4 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1312	NDA	Complete
LA-RTR2-10-0127_R1	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
85505	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
85505		NO DATA			

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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 MOD 1/11/2011
Examination Date:	10/21/2010
Waste Container ID:	85505
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: _____ 210.2 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 176.1 _____ 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)

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Waste Container ID: 85505

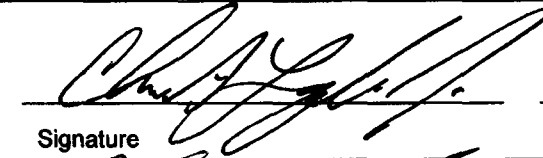
Scrap metal
Absorbent
Plastic bags
Solidified material (sludge)

Packaging Weight	
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Others:	0.0
Total Packaging Weight:	34.1
Waste Material Weight	
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):	0.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	174.6
Soils (S):	
Total WMP Weight:	176.1

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 85505

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	

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LIQUID REMEDIATION CHECKLIST10[13] Date: 5-11-1010[3] Parent Drum No.: 580051511[15] Daughter Drum No.: 85505

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>D007 D008 D009 F001</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 type="checkbox"/> Amount of absorbent used: <u>11 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: 5-11-10

10[3] Parent Drum No.: 5 800515

11[15] Daughter Drum No.: 85505

Comments: _____
N/C

10[76] Performed By: Roberto Bana [Signature] 234078 5/12/10
Name (Print) Signature Z # Date

10[78] Supervision: Char Sanchez [Signature] 1176445 5/12/10
Name (Print) Signature Z # Date

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-19-1010[3] Parent Drum No.: S 85054911[15] Daughter Drum No.: 85683

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):
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 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>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>0</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

UET

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ATTACHMENT 4

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LIQUID REMEDIATION CHECKLIST

10[13] Date: 5-19-10

10[3] Parent Drum No.: S 850549

11[15] Daughter Drum No.: 85683

Comments: n/c

10[76]	Performed By:	<u>Robert J. [Signature]</u>	<u>234078</u>	<u>5-19-10</u>
		Name (Print)	Z #	Date
10[78]	Supervision:	<u>Chandler [Signature]</u>	<u>176445</u>	<u>5-19-10</u>
		Name (Print)	Z #	Date

CONTAINERID: 85683

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
85683	55G	LA00000085683	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	1 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1335	NDA	Complete
LA-RTR2-10-0152	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
85683	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
85683	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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:	85683
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: _____ 170.4 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 136.0 _____ 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:	_____ 70 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 85683

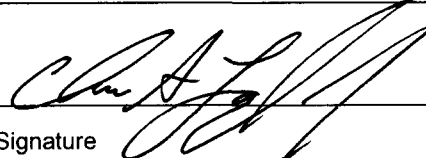
Section 3: Container Inventory and Comments (Detailed descriptions)
Metal closure ring, scrap metal
Absorbent
Plastic bag, cut up liner lid
Solidified material (sludge)

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):	1.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	5.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	128.2
Soils (S):	
Total WMP Weight:	136.0

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 85683

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	

CONTAINERID: 87026

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87026	55G	LA00000087026	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0734	NDA	Complete
LA-RTR2-11-0001	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87026	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87026	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0001
Examination Date:	01/10/2011
Waste Container ID:	87026
Video/Audio Recorded Media Number:	LA-RTR2-11-0001 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: _____ 213.7 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 179.3 _____ 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)

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Waste Container ID: 87026

Section 3: Container Inventory and Comments (Detailed descriptions)

Absorbent

Plastic bag

Solidified material (sludge)

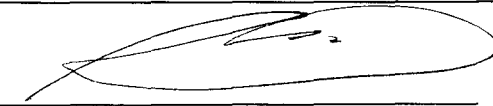
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	169.0
Soils (S):	
Total WMP Weight:	179.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87026

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		01/10/2011	
Print Name	Signature	Date	

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

4.3[13][A]

(\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3)

☒ SAT

☐ UNSAT

(\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4)

☒ SAT

☐ UNSAT

4.3[13][B]

(\$ No boundaries of the SSSR Process Area are defined: (TSR 1.1)

☒ SAT

☐ UNSAT

4.3[13][C]

(\$ No Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6)

☒ SAT

☐ UNSAT

4.3[14]

(\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)

☒ SAT

☐ UNSAT

☐ N/A

8.[16]

Date:

9.14.2010

8.[4]

Parent Drum No.:

\$ 831562

9.[14]

Daughter Drum No.:

87026

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6.11.11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+/- 3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb <u>KOZ 10/27/2010</u>
8.[69][D]	RCRA Designation: <u>D005 HAZ</u> RCRA Designation: <u>D008 NA KOZ</u> RCRA Designation: <u>D008 NA KOZ</u> RCRA Designation: <u>F001 NA 10/27/2010</u>
8.[69][E]	Daughter Drum No.: <u>87026</u> Daughter Drum No.: <u>NA</u> Daughter Drum No.: <u>NA</u> Daughter Drum No.: <u>NA</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>5 gal.</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>13 cups</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

U/C

8.[79]

Performed By:

Brian Fordham
Operator (Print)Brian Fordham
Signature

235635

Z #

9-14-10

8.[81]

Reviewed By:

Gina M. Sands
Supervision (Print)Gina M. Sands
Signature

234258

Z #

9-14-10

13.1[2][C]

Reviewed By:

Robert L. Griffin
CSE (print)Robert L. Griffin
Signature

1130382

Z #

9-15-10

13.1[2][E]

Acceptance criteria satisfied:

☒ YES☐ NO

13.1[2][H]

Reviewed By:

Lance J. Jant
SOM or designee (print)Lance J. Jant
Signature

1121497

Z #

9-15-10

CONTAINERID: 87034

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87034	55G	LA00000087034	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1342	NDA	Complete
LA-RTR2-11-0001	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87034	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87034	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0001
Examination Date:	01/10/2011
Waste Container ID:	87034
Video/Audio Recorded Media Number:	LA-RTR2-11-0001 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>201.5</u> kg. Tare Wt: <u>34.4</u> kg. Net Wt: <u>167.1</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>95</u> %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 87034

Section 3: Container Inventory and Comments (Detailed descriptions)

Absorbent

Plastic bag, cut up liner lid

Solidified material (sludge)

400ML. of Observable liquid at 32 inches


Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	155.8
Soils (S):	
Total WMP Weight:	167.1

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87034

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: 400ML. of Observable liquid at 32 inches			
RTR Operator:			
Philip Dillard			01/10/2011
Print Name	Signature		Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9/14/10
- 8.[4] Parent Drum No.: 5822396
- 9.[14] Daughter Drum No.: 87034

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UET

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

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>D007; D008; D009; F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>Haz</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87034</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>4 gal.</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>8 scoops</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[79]

Performed By:

Clayton Mullins
Operator (Print)

Signature

Z #

Date

8.[81]

Reviewed By:

Erin H. Sands
Supervision (Print)

Signature

Z #

Date

13.1[2][C]

Reviewed By:

Robert L. Griffiths
CSE (print)

Signature

Z #

Date

13.1[2][E]

Acceptance criteria satisfied:

☒ YES☐ NO

13.1[2][H]

Reviewed By:

Louis Talbert
SOM or designee (print)

Signature

Z #

Date

CONTAINERID: 87040

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87040	55G	LA00000087040	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1345	NDA	Complete
LA-RTR2-11-0002	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87040	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87040		NO DATA			

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-11-0002
Examination Date:	01/14/2011
Waste Container ID:	87040
Video/Audio Recorded Media Number:	LA-RTR2-11-0002 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: _____ 191.3 _____ kg. Tare Wt: _____ 34.1 _____ kg. Net Wt: _____ 157.2 _____ 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)

Page 2 of 3

Waste Container ID: 87040

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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	145.9
Soils (S):	
Total WMP Weight:	157.2

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87040

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			
Print Name	Signature	Date	

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9/14/10
- 8.[4] Parent Drum No.: 5822392
- 9.[14] Daughter Drum No.: 87040

TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 5

Effective Date: 08/13/10

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ATTACHMENT 3

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>D007; D008; D009; F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>022275</u> Cal. Expiration Date: <u>10/14/10</u> ^{CM} <u>6/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87040</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>4 gal.</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>14 scoops</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[79]

Performed By:

Clayton Mullins
Operator (Print)

Signature

1290074 9/14/10
Z # Date

8.[81]

Reviewed By:

Eric H. Sands
Supervision (Print)

Signature

734254 9/14/10
Z # Date

13.1[2][C]

Reviewed By:

Robert L. Giffers
CSE (print)

Signature

1130352 9-15-10
Z # Date

13.1[2][E]

Acceptance criteria satisfied:

☒ YES☐ NO

13.1[2][H]

Reviewed By:

Louis J. Albert
SOM or designee (print)

Signature

1121447 9-15-10
Z # Date

CONTAINERID: 87045

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87045	55G	LA00000087045	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0740	NDA	Complete
LA-RTR2-11-0003	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87045	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87045	NO DATA				

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-11-0003
Examination Date:	01/15/2011
Waste Container ID:	87045
Video/Audio Recorded Media Number:	LA-RTR2-11-0003 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: _____ 175.2 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 140.8 _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 87045

Section 3: Container Inventory and Comments (Detailed descriptions)

Absorbent

Cut up liner lid, plastic bag

Solidified material (sludge)

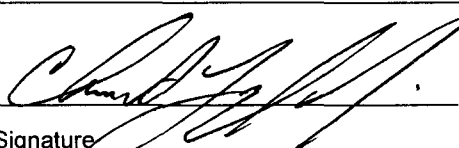
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	129.5
Soils (S):	
Total WMP Weight:	140.8

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87045

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	
		01/15/2011	

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9/15/10
- 8.[4] Parent Drum No.: 5822362
- 9.[14] Daughter Drum No.: 87049

TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 5

Effective Date: 08/13/10

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5822362

Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>0007; 0008; 0009; F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>±3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>NA</u> RCRA Designation: <u>NA</u> RCRA Designation: <u>NA</u>
8.[69][E]	Daughter Drum No.: <u>87045</u> Daughter Drum No.: <u>NA</u> Daughter Drum No.: <u>NA</u> Daughter Drum No.: <u>NA</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gal.</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>10 scoops</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C

8.[79]

Performed By:

Operator (Print)

Clayton Mullins

Signature

Z #

Date

1240078 9/15/10

8.[81]

Reviewed By:

Supervision (Print)

Gina M. Sands

Signature

Z #

Date

234234 9-15-10

13.1[2][C]

Reviewed By:

CSE (print)

Robert L. Griffiths

Signature

Z #

Date

1130351 9-16-10

13.1[2][E]

Acceptance criteria satisfied:

☒ YES☐ NO

13.1[2][H] Reviewed By:

SOM or designee (print)

Gina M. Welsh

Signature

Z #

Date

114849 9-16-10

CONTAINERID: 87049

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87049	55G	LA00000087049	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0740	NDA	Complete
LA-RTR2-11-0003	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87049	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87049	NO DATA				

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-11-0003
Examination Date:	01/15/2011
Waste Container ID:	87049
Video/Audio Recorded Media Number:	LA-RTR2-11-0003 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: _____ 187.8 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 153.4 _____ 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:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 87049**Section 3: Container Inventory and Comments** (Detailed descriptions)

Absorbent

Cut up liner lid, plastic bag

Solidified material (sludge)

5mL. of observable liquid at 6"

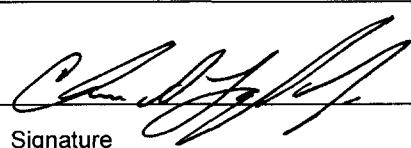
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	142.1
Soils (S):	
Total WMP Weight:	153.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87049

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: 5mL. of observable liquid at 6"			
RTR Operator: Chris Farquhar Print Name			
 Signature		01/15/2011 Date	

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9-15-10
- 8.[4] Parent Drum No.: 5822353
- 9.[14] Daughter Drum No.: 87049

ATTACHMENT 3

Page 2 of 2

5822353

Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>0007, 0008, 0009, F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10/80</u> Tolerance: <u>+/- 3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>Haz</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87049</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 gal</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>8 cups</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/A

8.[79] Performed By: Anthony V. [Signature] Signature 118424 Z# 9-15-10 Date

8.[81] Reviewed By: Gina M. [Signature] Supervision (Print) Signature 118424 Z# 9-15-10 Date

13.1[2][C] Reviewed By: Roger L. [Signature] CSE (print) Signature 1130356 Z# 9-16-10 Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Gail M. [Signature] SOM or designee (print) Signature 114849 Z# 9-16-10 Date

CONTAINERID: 87056

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87056	55G	LA00000087056	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0740	NDA	Complete
LA-RTR2-11-0003	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87056	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87056	NO DATA				

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-11-0003
Examination Date:	01/15/2011
Waste Container ID:	87056
Video/Audio Recorded Media Number:	LA-RTR2-11-0003 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: _____ 174.1 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 139.7 _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 87056

Section 3: Container Inventory and Comments (Detailed descriptions)

Absorbent

Plastic bag, cut up liner lid

Solidified material (sludge)

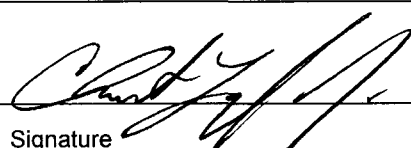
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	128.4
Soils (S):	
Total WMP Weight:	139.7

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87056

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			01/15/2011
Print Name	Signature		Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9.16.2010
- 8.[4] Parent Drum No.: \$822372
- 9.[14] Daughter Drum No.: 87056

TA-54 Area G Sludge Remediation Activities

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

Revision: 5

Effective Date: 08/13/10

Page: 66 of 67

UET

ATTACHMENT 3

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10 to 80</u> Tolerance: <u>± 3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87056</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 GAL</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>3 cups</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[79] Performed By: Brian Fordham Signature: Brian Fordham Z # 235835 Date 9-16-2010
Operator (Print)

8.[81] Reviewed By: Ben Rodriguez Signature: Ben Rodriguez Z # 127231 Date 9-16-10
Supervision (Print)

13.1[2][C] Reviewed By: Robert L. Griffin Signature: Robert L. Griffin Z # 117032 Date 9-22-10
CSE (print)

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Gail M. Welsh Signature: Gail M. Welsh Z # 114819 Date 9-20-10
SOM or designee (print)

CONTAINERID: 87057

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87057	55G	LA00000087057	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	1 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0731	NDA	Complete
LA-RTR2-10-0154	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87057	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87057	NO DATA				

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0154
Examination Date:	12/20/2010
Waste Container ID:	87057
Video/Audio Recorded Media Number:	LA-RTR2-10-0154
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (e.g., Prohibited Items)
	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: 214.8 kg. Tare Wt: 34.1 34.4 kg. Net Wt: 180.7 180.4 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)

Page 2 of 3

Waste Container ID: 87057

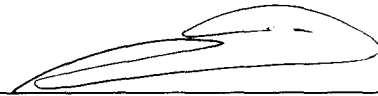
Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bag
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner <i>liner bag</i>	6.4 6.7 <i>PO 1/21/11</i>
Others:	0.0 <i>PO 1/21/11</i>
Total Packaging Weight:	34.1 34.4 <i>PO 1/21/11</i>
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):	<i>PO 1/21/11</i> <i>PO 1/21/11</i>
Inorganic Matrix (IN):	178.4 178.1
Soils (S):	<i>PO 1/21/11</i> <i>PO 1/21/11</i>
Total WMP Weight:	180.7 180.4 <i>PO 1/21/11</i>

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87057

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 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9.16.2010
- 8.[4] Parent Drum No.: \$ 841595
- 9.[14] Daughter Drum No.: 87057

ATTACHMENT 3

Page 2 of 2

Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6.11.11</u> Range in ft-lb: <u>0 to 80</u> Tolerance: <u>+/- 3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87057</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>4 Gal</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>9 cups</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: n/c

8.[79]

Performed By:

Operator (Print)

Signature

Z #

Date

8.[81]

Reviewed By:

Supervision (Print)

Signature

Z #

Date

13.1[2][C]

Reviewed By:

CSE (print)

Signature

Z #

Date

13.1[2][E]

Acceptance criteria satisfied:

☒ YES☐ NO

13.1[2][H]

Reviewed By:

SOM or designee (print)

Signature

Z #

Date

CONTAINERID: 87067

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87067	55G	LA00000087067	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0734	NDA	Complete
LA-RTR2-11-0001	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87067	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87067	NO DATA				

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-11-0001
Examination Date:	01/10/2011
Waste Container ID:	87067
Video/Audio Recorded Media Number:	LA-RTR2-11-0001 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (e.g., Prohibited Items)
	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: _____ 193.4 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 159.0 _____ 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)

Page 2 of 3

Waste Container ID: 87067

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, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	147.7
Soils (S):	
Total WMP Weight:	159.0

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87067

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			
Print Name	Signature	Date	

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9/16/10
- 8.[4] Parent Drum No.: S 822411
- 9.[14] Daughter Drum No.: 87067

TA-54 Area G Sludge Remediation Activities

UET

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

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>0007 0008 0009 F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>HA2</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87067</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gallons</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>13 cups</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C

8.[79]	Performed By: <u>Robert B...</u>	<u>[Signature]</u>	<u>12340781</u>	<u>9/16/10</u>
	Operator (Print)	Signature	Z #	Date
8.[81]	Reviewed By: <u>Ben Rodriguez</u>	<u>[Signature]</u>	<u>12340781</u>	<u>9-16-10</u>
	Supervision (Print)	Signature	Z #	Date
13.1[2][C]	Reviewed By: <u>Robert L. Griffin</u>	<u>[Signature]</u>	<u>12340781</u>	<u>9-20-10</u>
	CSE (print)	Signature	Z #	Date
13.1[2][E]	Acceptance criteria satisfied:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
13.1[2][H]	Reviewed By: <u>Gail Wells</u>	<u>[Signature]</u>	<u>114844</u>	<u>9-20-10</u>
	SOM or designee (print)	Signature	Z #	Date

CONTAINERID: 87068

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87068	55G	LA00000087068	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1342	NDA	Complete
LA-RTR2-11-0001	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87068	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87068	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0001
Examination Date:	01/10/2011
Waste Container ID:	87068
Video/Audio Recorded Media Number:	LA-RTR2-11-0001 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (e.g., Prohibited Items)
	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: _____ 185.0 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 150.6 _____ 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)

Page 2 of 3

Waste Container ID: 87068

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding

Absorbent

Cut up liner lid, plastic bag

Solidified material (sludge)

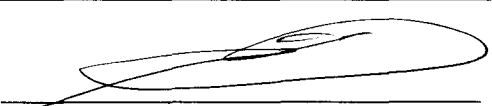
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	139.1
Soils (S):	
Total WMP Weight:	150.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87068

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			
Print Name	Signature	Date	
		01/10/2011	

UET

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9/16/10
- 8.[4] Parent Drum No.: S 822401
- 9.[14] Daughter Drum No.: 87068

TA-54 Area G Sludge Remediation Activities

UET

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

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Effective Date: 08/13/10

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>SAT</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87068</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 Gal</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>9 cups</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C

8.[79] Performed By: Roberto Baez [Signature] 1234078/ 9/14/10
Operator (Print) Signature Z # Date

8.[81] Reviewed By: Ben Rodriguez [Signature] 122220/ 9-16-10
Supervision (Print) Signature Z # Date

13.1[2][C] Reviewed By: Denise L. Gentry [Signature] 112039/ 9-20-10
CSE (print) Signature Z # Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Gail Welsh [Signature] 114841/ 9-20-10
SOM or designee (print) Signature Z # Date

CONTAINERID: 87075

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87075	55G	LA00000087075	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0734	NDA	Complete
LA-RTR2-11-0001	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87075	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87075	NO DATA				

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-11-0001
Examination Date:	01/10/2011
Waste Container ID:	87075
Video/Audio Recorded Media Number:	LA-RTR2-11-0001 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (e.g., Prohibited Items)
	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: _____ 182.6 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 148.2 _____ 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)

Page 2 of 3

Waste Container ID: 87075

Section 3: Container Inventory and Comments (Detailed descriptions)

Bolt, metal banding

Absorbent

Cut up liner lid, plastic bag

Solidified material (sludge)

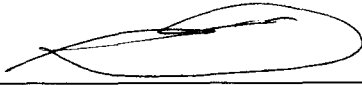
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	6.7
Others:	0.0
Total Packaging Weight:	34.4
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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	136.4
Soils (S):	
Total WMP Weight:	148.2

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87075

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			01/10/2011
Print Name	Signature		Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9/20/10
- 8.[4] Parent Drum No.: S 822406
- 9.[14] Daughter Drum No.: 87075

TA-54 Area G Sludge Remediation Activities

UET

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

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>SAT</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>±3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>81075</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 Gal</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>9 WPS</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/A

8.[79] Performed By: Roberto Bacc Signature: [Signature] Z # 1234567 Date 9/20/10
Operator (Print)

8.[81] Reviewed By: Gina M. Studs Signature: [Signature] Z # 1234567 Date 9-20-10
Supervision (Print)

13.1[2][C] Reviewed By: Robert L. Griffin Signature: [Signature] Z # 1234567 Date 9-21-10
CSE (print)

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Gina M. Studs Signature: [Signature] Z # 14849 Date 9-21-10
SCM or designee (print)

CONTAINERID: 87076

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87076	55G	LA00000087076	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0734	NDA	Complete
LA-RTR2-11-0001	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87076	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87076		NO DATA			

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-11-0001
Examination Date:	01/10/2011
Waste Container ID:	87076
Video/Audio Recorded Media Number:	LA-RTR2-11-0001 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: _____ 180.9 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 146.5 _____ 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)

Page 2 of 3

Waste Container ID: 87076

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding

Absorbent

Cut up liner lid, plastic bag

Solidified material (sludge)

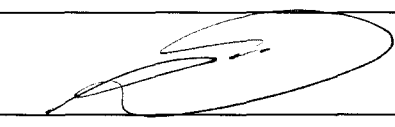
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	135.0
Soils (S):	
Total WMP Weight:	146.5

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87076

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			
Print Name	Signature	Date	
		01/10/2011	

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9/20/10
- 8.[4] Parent Drum No.: S 831538
- 9.[14] Daughter Drum No.: 87076

TA-54 Area G Sludge Remediation Activities

UET

Document No.: EP-AREAG-WO-DOP-0219
Revision: 5
Effective Date: 08/13/10
Page: 66 of 67

ATTACHMENT 3

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>0007 0008 0009 F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>SAT</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>H42</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87076</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gallon</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[79] Performed By: Robert Brec Signature: [Signature] Z # 23408 Date 9/20/10
Operator (Print)

8.[81] Reviewed By: Gina H. Sands Signature: [Signature] Z # 920 Date 9/20/10
Supervision (Print)

13.1[2][C] Reviewed By: Robert L. Griffin Signature: [Signature] Z # 113039 Date 9/21/10
CSE (print)

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Gina H. Sands Signature: [Signature] Z # 11484 Date 9/21/10
SOM or designee (print)

CONTAINERID: 87079

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87079	55G	LA00000087079	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- 2 (RELEASED) Lot 75 (none)		NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0735	NDA	Complete
LA-RTR2-11-0001	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87079	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87079	NO DATA				

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-11-0001
Examination Date:	01/10/2011
Waste Container ID:	87079
Video/Audio Recorded Media Number:	LA-RTR2-11-0001 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (e.g., Prohibited Items)
	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: _____ 188.7 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 154.3 _____ 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)

Page 2 of 3

Waste Container ID: 87079

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Absorbent

Plastic bag, cut up liner lid

Solidified material (sludge)

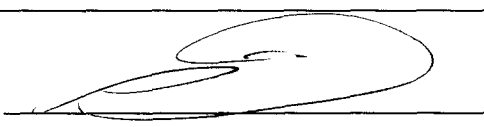
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	6.7
Others:	0.0
Total Packaging Weight:	34.4
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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	142.5
Soils (S):	
Total WMP Weight:	154.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87079

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		01/10/2011	
Print Name	Signature	Date	

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9/21/10
- 8.[4] Parent Drum No.: 5822350
- 9.[14] Daughter Drum No.: 87079

UET

ATTACHMENT 3

Page 2 of 2

Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>D007; D008; D009; F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>±3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87079</u> Daughter Drum No.: <u>NA</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gal.</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>10 caps</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[79]

Performed By:

Clayton Mullins
Operator (Print)

Signature

Z #

Date

8.[81]

Reviewed By:

Gina H. Sands
Supervision (Print)

Signature

Z #

Date

13.1[2][C]

Reviewed By:

Robert L. Griffith
CSE (print)

Signature

Z #

Date

13.1[2][E]

Acceptance criteria satisfied:

☒ YES☐ NO

13.1[2][H]

Reviewed By:

Gail Welsh
SOM or designee (print)

Signature

Z #

Date

CONTAINERID: 87089

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87089	55G	LA00000087089	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1343	NDA	Complete
LA-RTR2-11-0001	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87089	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87089		NO DATA			

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-11-0001
Examination Date:	01/10/2011
Waste Container ID:	87089
Video/Audio Recorded Media Number:	LA-RTR2-11-0001 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>179.9</u> kg. Tare Wt: <u>34.4</u> kg. Net Wt: <u>145.5</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)

Page 2 of 3

Waste Container ID: 87089

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, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	134.0
Soils (S):	
Total WMP Weight:	145.5

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87089

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			
Print Name	Signature	Date	
		01/10/2011	

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9/21/10
- 8.[4] Parent Drum No.: 3831596
- 9.[14] Daughter Drum No.: 87089

TA-54 Area G Sludge Remediation Activities

UET

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[25][B] ¹⁻²⁴	<input checked="" type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>039275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>H42</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87089</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gallon</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

n/c

8.[79] Performed By: Harvey Martinez Harvey Martinez 157017, 9-21-10
Operator (Print) Signature Z# Date

8.[81] Reviewed By: Gina M. Smith Gina M. Smith 234251, 9-21-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Gilhii Robert L. Gilhii 130356, 9-22-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Gael Welsh Gael Welsh 114819, 9-22-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87094

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87094	55G	LA0000087094	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1342	NDA	Complete
LA-RTR2-11-0001	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87094	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87094	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0001
Examination Date:	01/10/2011
Waste Container ID:	87094
Video/Audio Recorded Media Number:	LA-RTR2-11-0001 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: _____ 186.0 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 151.6 _____ 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)

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Waste Container ID: 87094

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding

Absorbent

Plastic bag, cut up liner lid

Solidified material (sludge)

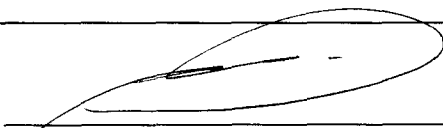
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	140.1
Soils (S):	
Total WMP Weight:	151.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87094

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			01/10/2011
Print Name	Signature		Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 09-21-10
- 8.[4] Parent Drum No.: 5831636
- 9.[14] Daughter Drum No.: 87094

ATTACHMENT 3

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): D007, D008, D009, F001
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>±3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87094</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>5 gallons</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>18 cups</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[79] Performed By: Harvey Martinez Harvey Martinez 151017 9-21-10
Operator (Print) Signature Z# Date

8.[81] Reviewed By: Gina M. SANDS Gina M. SANDS 134158 9-21-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 1130356 9-22-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Gail Welsh Gail Welsh 114844 9-22-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87098

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87098	55G	LA00000087098	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1346	NDA	Complete
LA-RTR2-11-0002	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87098	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87098		NO DATA			

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0002
Examination Date:	01/14/2011
Waste Container ID:	87098
Video/Audio Recorded Media Number:	LA-RTR2-11-0002 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: _____ 166.8 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 132.4 _____ 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:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87098

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, liner bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	121.0
Soils (S):	
Total WMP Weight:	132.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87098

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			
Print Name		Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9-22-10
- 8.[4] Parent Drum No.: 5831616
- 9.[14] Daughter Drum No.: 87098

TA-54 Area G Sludge Remediation Activities

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): D007, D008, D009, F001
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>±3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87098</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 gallons</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>7 cups</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C

8.[79] Performed By: Harvey Martinez Harvey Martinez 151017, 9-22-10
Operator (Print) Signature Z# Date

8.[81] Reviewed By: Gina M. Sands Gina M. Sands 234254 9-22-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 130312, 9-23-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Jalbert Louis Jalbert 112447, 9-27-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87101

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87101	55G	LA00000087101	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
ILANDA1345	NDA	Complete
LA-RTR2-11-0002	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87101	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87101	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0002
Examination Date:	01/14/2011
Waste Container ID:	87101
Video/Audio Recorded Media Number:	LA-RTR2-11-0002 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: _____ 179.7 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 145.3 _____ 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)

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Waste Container ID: 87101

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding

Absorbent

Cut up liner lid, plastic bag

Solidified material (sludge)

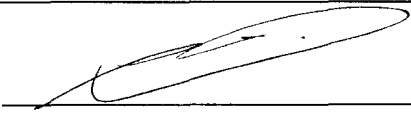
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, liner bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	133.9
Soils (S):	
Total WMP Weight:	145.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87101

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 Print Name			
 Signature		01/14/2011 Date	

UET

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9-22-10
- 8.[4] Parent Drum No.: 5831610
- 9.[14] Daughter Drum No.: 87101

TA-54 Area G Sludge Remediation Activities

UET

Document No.: EP-AREAG-WO-DOP-0219
Revision: 5
Effective Date: 08/13/10
Page: 66 of 67

ATTACHMENT 3

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): D007, D008, D009, F001
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6/11/11</u> Range in ft-lb: <u>10-20</u> Tolerance: <u>±3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87101</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gallons</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>8 cups</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[79] Performed By: Harvey Martinez Harvey Martz 1151017, 9-22-10
Operator (Print) Signature Z# Date

8.[81] Reviewed By: Gina M. Sands Gina M. Sands 734254 9-22-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 1130354 9-23-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Jalbert Louis Jalbert 1121447 9-27-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87108

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87108	55G	LA00000087108	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1346	NDA	Complete
LA-RTR2-11-0002	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87108	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87108	NO DATA				

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-11-0002
Examination Date:	01/14/2011
Waste Container ID:	87108
Video/Audio Recorded Media Number:	LA-RTR2-11-0002 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (e.g., Prohibited Items)
	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: _____ 189.9 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 155.5 _____ 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)

Page 2 of 3

Waste Container ID: 87108


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, liner bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	144.2
Soils (S):	
Total WMP Weight:	155.5

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87108

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			
Print Name	 Signature		01/14/2011 Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9-22-10
- 8.[4] Parent Drum No.: 5822395
- 9.[14] Daughter Drum No.: 87108

ATTACHMENT 3

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Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+/- 3010</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>H/A 2</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87108</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>5 gallons</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>13 LBS</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[79] Performed By: Gilbert Martinez, A-111 M. J. 111235 9-22-10
Operator (Print) Signature Z# Date

8.[81] Reviewed By: GIAA M. SANDS [Signature] 111235 9-22-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffiths [Signature] 111235 9-22-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis J. Albert [Signature] 111235 9-22-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87117

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87117	55G	LA00000087117	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1346	NDA	Complete
LA-RTR2-11-0002	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87117	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87117	NO DATA				

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-11-0002
Examination Date:	01/14/2011
Waste Container ID:	87117
Video/Audio Recorded Media Number:	LA-RTR2-11-0002 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: _____ 190.9 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 156.5 _____ 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)

Page 2 of 3

Waste Container ID: 87117

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Absorbent

Plastic bag, cut up liner lid

Solidified material (sludge)

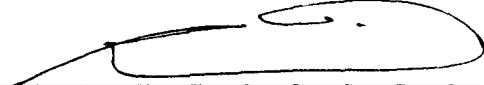
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, liner bag	6.7
Others:	0.0
Total Packaging Weight:	34.4
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.3
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	144.9
Soils (S):	
Total WMP Weight:	156.5

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87117

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			
Print Name	Signature	Date	
		01/14/2011	

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[16] Date: 9/23/10
- 8.[4] Parent Drum No.: 5822346
- 9.[14] Daughter Drum No.: 87117

ATTACHMENT 3

Page 2 of 2

Step	Condition
8.[17]	RCRA Designation (EPA Codes): <u>D007; D008; D009; F001</u>
8.[19]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[24]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[25][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[27]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[30]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>4/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>±3%</u>
8.[31]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[33]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[63]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[69][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[69][E]	Daughter Drum No.: <u>87117</u> Daughter Drum No.: <u>NA</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[72]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2gal.</u>
8.[73]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>8 cups</u>
8.[76]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[79] Performed By: Clayton Mullins Signature: [Signature] Z # 240092 Date 9/23/10
Operator (Print)

8.[81] Reviewed By: Gina M. Stands Signature: [Signature] Z # 739254 Date 9-23-10
Supervision (Print)

13.1[2][C] Reviewed By: Robert L. Guffis Signature: [Signature] Z # 170354 Date 9-24-10
CSE (print)

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis J. Inlbert Signature: [Signature] Z # 114497 Date 9-27-10
SOM or designee (print)

CONTAINERID: 87161

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87161	55G	LA00000087161	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1345	NDA	Complete
LA-RTR2-11-0002	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87161	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87161	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0002
Examination Date:	01/14/2011
Waste Container ID:	87161
Video/Audio Recorded Media Number:	LA-RTR2-11-0002 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: _____ 188.9 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 154.5 _____ 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)

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Waste Container ID: 87161

Section 3: Container Inventory and Comments (Detailed descriptions)

Absorbent

Cut up liner lid, plastic gloves, 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	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	142.5
Soils (S):	
Total WMP Weight:	154.5

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87161

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		01/14/2011	
Print Name	Signature	Date	

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 09-30-10
- 8.[4] Parent Drum No.: 5822397
- 9.[14] Daughter Drum No.: 87161

ATTACHMENT 3

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>2007, 2008, 2009, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>033275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87161</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gallons</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C

8.[80] Performed By: Harvey Martinez Harvey Martinez 1151017 9-30-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. Sands Gina M. Sands 23024 9-30-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 1130324 10-1-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Gail M. Welsh Gail M. Welsh 114849 10-1-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87163

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87163	55G	LA00000087163	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1344	NDA	Complete
LA-RTR2-11-0002	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87163	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87163	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0002
Examination Date:	01/14/2011
Waste Container ID:	87163
Video/Audio Recorded Media Number:	LA-RTR2-11-0002 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: _____ 211.2 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 176.8 _____ 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)

Page 2 of 3

Waste Container ID: 87163

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal banding
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	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	165.4
Soils (S):	
Total WMP Weight:	176.8

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87163

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			
Print Name	Signature	Date	

TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 6

Effective Date: 9/23/10

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ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10/4/10
- 8.[4] Parent Drum No.: 524151
- 9.[14] Daughter Drum No.: 87163

ATTACHMENT 3

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>P007, P008, D009, 7001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <u>GOOD</u> <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks):
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][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>
8.[70][E]	Daughter Drum No.: <u>87163</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gal.</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>12 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[80] Performed By: L.M. MONTANO L.M. Montano 1095042 10/4/10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. Starks Gina M. Starks 727254 10-4-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Giffis Robert L. Giffis 113035W 10-5-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Gina M. Welsh Gina M. Welsh 113035W 10-5-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87166

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87166	55G	LA00000087166	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1345	NDA	Complete
LA-RTR2-11-0002	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87166	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87166	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0002
Examination Date:	01/14/2011
Waste Container ID:	87166
Video/Audio Recorded Media Number:	LA-RTR2-11-0002 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (e.g., Prohibited Items)
	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: _____ 202.5 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 168.1 _____ 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)

Page 2 of 3

Waste Container ID: 87166


Section 3: Container Inventory and Comments (Detailed descriptions)
Metal banding
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, liner bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	157.7
Soils (S):	
Total WMP Weight:	168.1

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87166

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			
Print Name		Signature	Date
			01/14/2011

TA-54 Area G Sludge Remediation Activities

UET

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

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10/4/10
- 8.[4] Parent Drum No.: 5831555
- 9.[14] Daughter Drum No.: 87166

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D009, 7001, D001, D008</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input type="checkbox"/> Record torque wrench information: MT&E No.: <u>032276</u> Cal. Expiration Date: <u>6/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+/- 3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][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>
8.[70][E]	Daughter Drum No.: <u>81166</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>4 gal/10m²</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>12 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[80] Performed By: L.M. MONTAÑO L.M. MONTAÑO 1055042 10/4/10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: GINA H. STARK [Signature] 1288081 10-4-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffis [Signature] 1130386 10-5-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Chad M. Welsh [Signature] 114849 10-5-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87167

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87167	55G	LA00000087167	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	4 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1346	NDA	Complete
LA-RTR2-11-0003	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87167	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87167		NO DATA			

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0003
Examination Date:	01/15/2011
Waste Container ID:	87167
Video/Audio Recorded Media Number:	LA-RTR2-11-0003 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: _____ 197.0 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 162.6 _____ 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)

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Waste Container ID: 87167

Section 3: Container Inventory and Comments (Detailed descriptions)

Absorbent

Plastic bag

Solidified material (sludge)

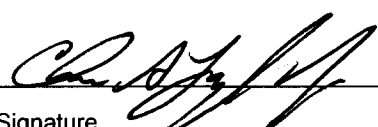
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	152.3
Soils (S):	
Total WMP Weight:	162.6

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 87167

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		01/15/2011	
Print Name	Signature	Date	

TA-54 Area G Sludge Remediation Activities

UET

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10/4/10
- 8.[4] Parent Drum No.: 5831553
- 9.[14] Daughter Drum No.: 87167, 87171
2UP 11/16/10

ATTACHMENT 3

Page 2 of 2

Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>P007, D006, D009, 7001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>good</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>4/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+/-390</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][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>
8.[70][E]	Daughter Drum No.: <u>587167 #1</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A #2 587171</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>4 gal</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>9 chips</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

2 daughter drums created from 5831553

8.[80] Performed By: LMMontano LMMontano 105542/10/4/10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. Sands Gina M. Sands 123225/10-4-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 112030/10-5-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Gail M. Wild Gail M. Wild 114844/10-5-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87179

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87179	55G	LA00000087179	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1347	NDA	Complete
LA-RTR2-11-0003	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87179	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87179	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0003
Examination Date:	01/15/2011
Waste Container ID:	87179
Video/Audio Recorded Media Number:	LA-RTR2-11-0003 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: _____ 186.3 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 151.9 _____ 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:	_____ 100 _____ %

016

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 87179

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Absorbent

Cut up liner lid, plastic bag

Solidified material (sludge)

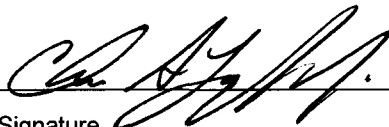
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	140.4
Soils (S):	
Total WMP Weight:	151.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87179

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			01/15/2011
Print Name	Signature		Date

Rev 1/24/11
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UET

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

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10-9-10
- 8.[4] Parent Drum No.: 822378 5822398
- 9.[14] Daughter Drum No.: 87179

TA-54 Area G Sludge Remediation Activities

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

Revision: 6

Effective Date: 9/23/10

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-30</u> Tolerance: <u>4-3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>H42</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87179</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>4 gal</u>
8.[74]	<input type="checkbox"/> Amount of absorbent used: <u>12 gals</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: NC

8.[80] Performed By: Anthony Vici Anthony Vici 1184864 10-4-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. Stroud Gina M. Stroud 234254 10-4-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Roger L. Griffin Roger L. Griffin 1130732 10-5-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Gina M. Stroud Gina M. Stroud 114844 10-5-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87181

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87181	55G	LA00000087181	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1346	NDA	Complete
LA-RTR2-11-0003	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87181	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87181	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0003
Examination Date:	01/15/2011
Waste Container ID:	87181
Video/Audio Recorded Media Number:	LA-RTR2-11-0003 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: _____ 187.7 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 153.3 _____ 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:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 87181

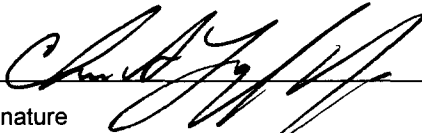
Section 3: Container Inventory and Comments (Detailed descriptions)
Absorbent
Plastic bag, cut up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	142.0
Soils (S):	
Total WMP Weight:	153.3

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87181

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			01/15/2011
Print Name	Signature		Date

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10-4-10
- 8.[4] Parent Drum No.: 5822369
- 9.[14] Daughter Drum No.: 87181

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>good</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 5%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>NA</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>82181</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gal</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>8 cup</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: NC

8.[80] Performed By: Anthony Vig. Anthony Vig. 1289264 10-4-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Grina M. Sands Grina M. Sands 234281 10-4-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Giff Robert L. Giff 1130391 10-5-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Grina M. Sands Grina M. Sands 118449 10-5-10
SCM or designee (print) Signature Z# Date

CONTAINERID: 87186

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87186	55G	LA00000087186	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1346	NDA	Complete
LA-RTR2-11-0003	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87186	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87186	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0003
Examination Date:	01/15/2011
Waste Container ID:	87186
Video/Audio Recorded Media Number:	LA-RTR2-11-0003 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: _____ 181.4 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 147.0 _____ 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:	_____ 100 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 87186


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, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	135.7
Soils (S):	
Total WMP Weight:	147.0

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87186

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		01/15/2011	
Print Name	Signature	Date	

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10-4-10
- 8.[4] Parent Drum No.: 5831543
- 9.[14] Daughter Drum No.: 87186

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007, D008, D001, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>good</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>NA</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87196</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>NA</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gal</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 cups</u>
8.[77]	<input type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

NC

8.[80] Performed By: Anthony V. J. Anthony V. J. 108264 10-4-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. Sands Gina M. Sands 23254 10-4-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: BRETT L. GRIFIN Brett L. Griffin 1130354 10-5-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Gina M. Walsh Gina M. Walsh 114844 10-5-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87190

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87190	55G	LA00000087190	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1333	NDA	Complete
LA-RTR2-10-0149	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87190	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87190	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0149
Examination Date:	12/10/2010
Waste Container ID:	87190
Video/Audio Recorded Media Number:	LA-RTR2-10-0149 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
(e.g., Prohibited Items)	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>197.5</u> kg. Tare Wt: <u>36.1</u> kg. Net Wt: <u>161.4</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)

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Waste Container ID: 87190

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Absorbent

Plastic bag, cut up liner lid

Solidified material (sludge)

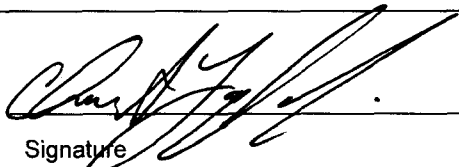
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	1.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	158.1
Soils (S):	
Total WMP Weight:	161.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87190

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			12/10/2010
Print Name	Signature		Date

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10/5/10
- 8.[4] Parent Drum No.: 5831534
- 9.[14] Daughter Drum No.: 87190

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007, D003, D009, 7001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6/11/11</u> Range in ft-lb: <u>10-90</u> Tolerance: <u>±3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>H42</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87190</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>45 gal</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>11 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[80] Performed By: L.M. Montano L.M. Montano 101042 10/5/10
Operator (Print) Signature Z # Date

8.[82] Reviewed By: Gina M. Sanders Gina M. Sanders 2222 10-5-10
Supervision (Print) Signature Z # Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 113035 10-6-10
CSE (print) Signature Z # Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Talbert Louis Talbert 12442 10-7-10
SOM or designee (print) Signature Z # Date

CONTAINERID: 87192

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87192	55G	LA00000087192	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	1 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1344	NDA	Complete
LA-RTR2-11-0002	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87192	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87192	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0002
Examination Date:	01/14/2011
Waste Container ID:	87192
Video/Audio Recorded Media Number:	LA-RTR2-11-0002 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: _____ 193.6 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 159.2 _____ 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)

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Waste Container ID: 87192

Section 3: Container Inventory and Comments (Detailed descriptions)

Absorbent

Cut up liner lid, plastic bag

Solidified material (sludge)

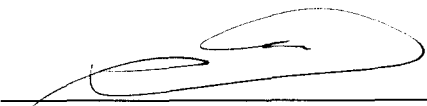
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	147.9
Soils (S):	
Total WMP Weight:	159.2

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87192

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			01/14/2011
Print Name	Signature		Date

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10/5/10
- 8.[4] Parent Drum No.: 5822354
- 9.[14] Daughter Drum No.: 87192

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D001, D008, D009, 7001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>good</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>632275</u> Cal. Expiration Date: <u>6/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>H17</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>57192</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gal</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>10 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[80] Performed By: L M MONTAÑO L M Montano 085042 10/5/10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. Sands Gina M. Sands 220251 10.5.10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 1130352 10-6-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Jalbert Louis Jalbert 112447 10-7-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87199

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87199	55G	LA00000087199	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1344	NDA	Complete
LA-RTR2-11-0002	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87199	NO DATA		

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0002
Examination Date:	01/14/2011
Waste Container ID:	87199
Video/Audio Recorded Media Number:	LA-RTR2-11-0002 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: _____ 172.1 _____ kg. Tare Wt: _____ 34.4 _____ kg. Net Wt: _____ 137.7 _____ 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:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87199

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	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	126.4
Soils (S):	
Total WMP Weight:	137.7

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87199

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		01/14/2011	
Print Name	Signature	Date	

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10-5-10
- 8.[4] Parent Drum No.: 5 822414
- 9.[14] Daughter Drum No.: 87.99

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>0007, 0008, 0009, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>SAI</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>604Z</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>75-87199</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>10-8-10</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 GAL</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 GALS</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[80] Performed By: Lawrence Rodriguez 1 Lawrence Rodriguez 196384 10-5-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: GILAN SANDS Gilam Sands 220254 10-5-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffiths Robert L. Griffiths 113039 10-6-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louie Jalbert Louie Jalbert 124417 10-7-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87201

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87201	55G	LA00000087201	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1344	NDA	Complete
LA-RTR2-11-0002	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87201	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87201	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-11-0002
Examination Date:	01/14/2011
Waste Container ID:	87201
Video/Audio Recorded Media Number:	LA-RTR2-11-0002 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>196.8</u> kg.
	Tare Wt: <u>34.1</u> kg.
	Net Wt: <u>162.7</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>95</u> %

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87201

Section 3: Container Inventory and Comments (Detailed descriptions)

Absorbent

Cut up liner lid, plastic bag

Solidified material (sludge)

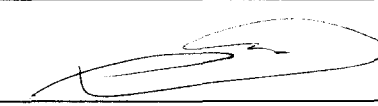
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	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):	10.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	151.4
Soils (S):	
Total WMP Weight:	162.7

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87201

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			
Print Name	Signature		Date
			01/14/2011

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10-5-10
- 8.[4] Parent Drum No.: S 822394
- 9.[14] Daughter Drum No.: K020 S 87201
- 10/27/2010

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>0607, 0608, 0609 F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>5-AT</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-1-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>87201</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>5 GAL</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>15 CUPS</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/A

8.[80] Performed By: James Rodriguez James Rodriguez 196511 10-5-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. Strads Gina M. Strads 234234 10-5-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Roger L. Gaffis Roger L. Gaffis 113092 10-6-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Jalbert Louis Jalbert 121997 10-7-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87205

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87205	55G	LA00000087205	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1333	NDA	Complete
LA-RTR2-10-0149	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87205	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87205		NO DATA			

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0149
Examination Date:	12/10/2010
Waste Container ID:	87205
Video/Audio Recorded Media Number:	LA-RTR2-10-0149 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: _____ 218.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 182.4 _____ 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)

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Waste Container ID: 87205

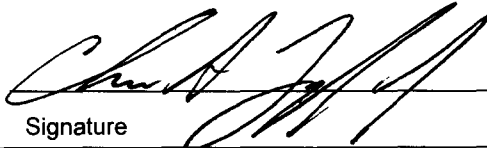
Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Absorbent
Plastic bag, cut up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	179.4
Soils (S):	
Total WMP Weight:	182.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87205

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			12/10/2010
Print Name	Signature		Date

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10/6/10
- 8.[4] Parent Drum No.: 6831554
- 9.[14] Daughter Drum No.: 87205

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>D32275</u> Cal. Expiration Date: <u>6/1/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>±3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>H42</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87205</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>4 gal</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>14 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[80] Performed By: L.M. MONTAÑO L.M. MONTAÑO 10/25/11 10/25/11
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. Stands Gina M. Stands 12/27/10 12/27/10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 11/20/10 11/20/10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis J. Albert Louis J. Albert 12/17/10 12/17/10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87207

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87207	55G	LA00000087207	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1333	NDA	Complete
LA-RTR2-10-0149	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87207	NO DATA		

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0149
Examination Date:	12/10/2010
Waste Container ID:	87207
Video/Audio Recorded Media Number:	LA-RTR2-10-0149 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: _____ 179.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 143.4 _____ 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)

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Waste Container ID: 87207

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Absorbent

Cut up liner lid

Solidified material (sludge)

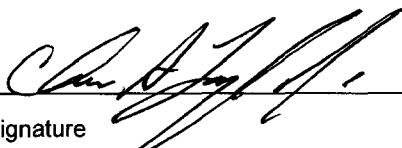
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	140.7
Soils (S):	
Total WMP Weight:	143.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87207

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		12/10/2010	
Print Name	Signature	Date	

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10/6/10
- 8.[4] Parent Drum No.: 5831540
- 9.[14] Daughter Drum No.: 87207

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>0007, 0008, 0009, 7001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>good</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>232295</u> Cal. Expiration Date: <u>6/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>± 30%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>H42</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>01207</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>29445</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C

8.[80] Performed By: L. MONTAÑO L. MONTAÑO 153524 10/6/10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. SANDS Gina M. SANDS 10-6-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Thomas L. Gaffas Thomas L. Gaffas 1130386 10-8-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis J. J. J. Louis J. J. J. 1130386 10-8-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87212

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87212	55G	LA00000087212	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1333	NDA	Complete
LA-RTR2-10-0149	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87212	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87212		NO DATA			

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0149
Examination Date:	12/10/2010
Waste Container ID:	87212
Video/Audio Recorded Media Number:	LA-RTR2-10-0149 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: _____ 176.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 140.4 _____ 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:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87212

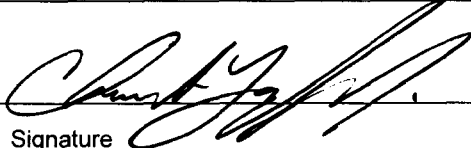
Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Absorbent
Plastic bag, cut up liner lid
Solidified material (sludge)
3mL. of observable liquid at 6"
2mL. of observable liquid at 5"

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	137.4
Soils (S):	
Total WMP Weight:	140.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87212

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: 3mL. of observable liquid at 6" 2mL. of observable liquid at 5"			
RTR Operator: Chris Farquhar			
Print Name	Signature	Date	
		12/10/2010	

TA-54 Area G Sludge Remediation Activities

UET

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10/6/10
- 8.[4] Parent Drum No.: 5831408
- 9.[14] Daughter Drum No.: 87212

ATTACHMENT 3

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>0007, 0008, 0009, 2001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>good</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+/- 3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87212</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 gal</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>8 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: n/c

8.[80] Performed By: L.M. MONTANO L.M. MONTANO 10/6/10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina H. GANDY Gina H. Gandy 10/6/10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. GRIFFIN Robert L. Griffin 10-8-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Larry J. JALBERT Larry J. Jalbert 10/8/10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87218

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87218	55G	LA00000087218	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1333	NDA	Complete
LA-RTR2-10-0149	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87218	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87218	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0149
Examination Date:	12/10/2010
Waste Container ID:	87218
Video/Audio Recorded Media Number:	LA-RTR2-10-0149 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (e.g., Prohibited Items)
	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: _____ 206.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 169.9 _____ 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)

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Waste Container ID: 87218

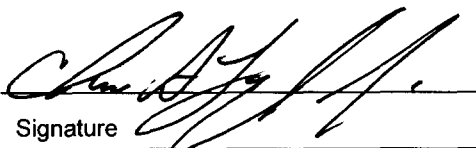
Section 3: Container Inventory and Comments (Detailed descriptions)	
Scrap metal	
Absorbent	
Plastic bag, cut up liner lid	
Solidified material (sludge)	
2mL. of observable liquid at 12"	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	166.9
Soils (S):	
Total WMP Weight:	169.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87218

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 12"			
RTR Operator: Chris Farquhar			
Print Name	Signature	Date	
		12/10/2010	

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10-07-10
- 8.[4] Parent Drum No.: 5831639
- 9.[14] Daughter Drum No.: 87218

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>06/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>±3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87218</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>5 gallons</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>17 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C

8.[80] Performed By: Harvey Martinez Harvey Maty 151017 10-7-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. Stads Gina M. Stads 234234 10-7-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Rosario L. Gruffis Rosario L. Gruffis 173032 10-8-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Jalbert Louis Jalbert 121897 10-8-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87225

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87225	55G	LA00000087225	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1336	NDA	Complete
LA-RTR2-10-0153	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87225	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87225	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0153
Examination Date:	12/15/2010
Waste Container ID:	87225
Video/Audio Recorded Media Number:	LA-RTR2-10-0153 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: _____ 226.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 189.9 _____ 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)

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Waste Container ID: 87225

Section 3: Container Inventory and Comments (Detailed descriptions)

Absorbent

Cut up liner lid, plastic bag

Solidified material (sludge)

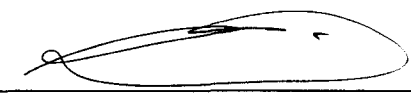
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	1.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	186.5
Soils (S):	
Total WMP Weight:	189.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87225

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		12/15/2010	
Print Name	Signature	Date	

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10-07-10
- 8.[4] Parent Drum No.: 5831573
- 9.[14] Daughter Drum No.: 87225

ATTACHMENT 3

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>06/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>±3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>B7225</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>5 gallons</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>14 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C

8.[80]	Performed By: <u>Harvey Martinez</u>	<u>Harvey Maitly</u>	<u>15107</u>	<u>10-7-10</u>
	Operator (Print)	Signature	Z #	Date
8.[82]	Reviewed By: <u>Gina McStands</u>	<u>[Signature]</u>	<u>234254</u>	<u>10-7-10</u>
	Supervision (Print)	Signature	Z #	Date
13.1[2][C]	Reviewed By: <u>Theresa L. Griffin</u>	<u>[Signature]</u>	<u>113038</u>	<u>10-8-10</u>
	CSE (print)	Signature	Z #	Date
13.1[2][E]	Acceptance criteria satisfied:	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	
13.1[2][H]	Reviewed By: <u>Louis Jalbert</u>	<u>[Signature]</u>	<u>121997</u>	<u>10-8-10</u>
	SOM or designee (print)	Signature	Z #	Date

CONTAINERID: 87231

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87231	55G	LA00000087231	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1336	NDA	Complete
LA-RTR2-10-0153	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87231	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87231	NO DATA				

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0153
Examination Date:	12/15/2010
Waste Container ID:	87231
Video/Audio Recorded Media Number:	LA-RTR2-10-0153 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: _____ 178.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 141.9 _____ 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)

Page 2 of 3

Waste Container ID: 87231

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding

Absorbent

Cut up liner lid, plastic bag

Solidified material (sludge)

1.5ML of observable liquid at 3 inches

1ML of observable liquid at 5 inches

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	1.2
Organic Matrix (OR):	
Inorganic Matrix (IN):	139.6
Soils (S):	
Total WMP Weight:	141.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87231

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: 1.5ML of observable liquid at 3 inches 1ML of observable liquid at 5 inches			
RTR Operator: Philip Dillard			
Print Name	Signature	Date	
		12/15/2010	

TA-54 Area G Sludge Remediation Activities

UET

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ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10-07-10
- 8.[4] Parent Drum No.: 5831813
- 9.[14] Daughter Drum No.: 87231

ATTACHMENT 3

Page 2 of 2

Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>06/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>±3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87231</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gallons</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>8 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[80] Performed By: Harvey Martinez Harvey Martey 151017, 10-7-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina H. Starks Gina H. Starks 234254, 10-7-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 1130356, 10-8-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis J. Albert Louis J. Albert 121447, 10-8-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87236

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87236	55G	LA00000087236	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1337	NDA	Complete
LA-RTR2-10-0153	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87236	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87236	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0153
Examination Date:	12/15/2010
Waste Container ID:	87236
Video/Audio Recorded Media Number:	LA-RTR2-10-0153 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: _____ 199.0 _____ kg. Tare Wt: _____ 36.1 _____ 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)

Page 2 of 3

Waste Container ID: 87236

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	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	1.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	159.5
Soils (S):	
Total WMP Weight:	162.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87236

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 Daphne Brothers under supervision of qualified operator Philip Dillard			
RTR Operator: Philip Dillard/Daphne Brothers			
Print Name	Signature	Date	
		12/15/2010	

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10-7-10
- 8.[4] Parent Drum No.: 5822368
- 9.[14] Daughter Drum No.: 87236

ATTACHMENT 3

Page 2 of 2

Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>06/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87236</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gallons</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>10 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C

8.[80] Performed By: Henry Martinez Henry Martinez 151017 10-7-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. SANDS Gina M. Sands 234251 10-7-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. GRIFFIS Robert L. Griffis 1130321 10-8-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Jalbert Louis Jalbert 124497 10-8-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87241

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87241	55G	LA00000087241	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0725	NDA	Complete
LA-RTR2-10-0149	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87241	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87241	NO DATA				

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 TA54-497 Area G Pad 10 RTR2
Batch Number:	LA-RTR2-10-0149
Examination Date:	12/10/2010
Waste Container ID:	87241
Video/Audio Recorded Media Number:	LA-RTR2-10-0149 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: _____ 189.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 153.4 _____ 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)

Page 2 of 3

Waste Container ID: 87241


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	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	1.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	150.9
Soils (S):	
Total WMP Weight:	153.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87241

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			12/10/2010
Print Name	Signature		Date

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UET

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

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10.12.10
- 8.[4] Parent Drum No.: 8831586
- 9.[14] Daughter Drum No.: 87241

ATTACHMENT 3

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): D007; D008; D009; F001
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6.11.11</u> Range in ft-lb: <u>10 to 80</u> Tolerance: <u>± 3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87241</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gal</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>10 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[80] Performed By: Brian Foxman Brian Foxman 735835 10-12-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Brian H. Strubbs Brian H. Strubbs 735835 10-12-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Rosier L. Gaffis Robert L. Gaffis 1130356 10-13-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Talbert Louis Talbert 124547 10-13-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87244

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87244	55G	LA00000087244	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0725	NDA	Complete
LA-RTR2-10-0149	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87244	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87244		NO DATA			

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0149
Examination Date:	12/10/2010
Waste Container ID:	87244
Video/Audio Recorded Media Number:	LA-RTR2-10-0149 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>182.0</u> kg. Tare Wt: <u>36.1</u> kg. Net Wt: <u>145.9</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)

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Waste Container ID: 87244

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Absorbent

Cut up liner lid, plastic bag

Solidified material (sludge)

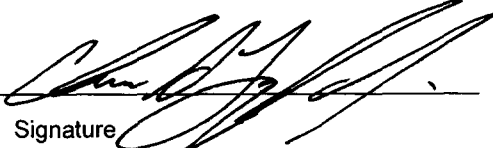
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.4
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):	142.7
Soils (S):	
Total WMP Weight:	145.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87244

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			12/10/2010
Print Name	Signature		Date

TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 6

Effective Date: 9/23/10

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10.12.10
- 8.[4] Parent Drum No.: 3831549
- 9.[14] Daughter Drum No.: 87244

ATTACHMENT 3

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007; D008, D009, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>082275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10 to 80</u> Tolerance: <u>+/- 3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>Haz</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87244</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 gal</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>7 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C

8.[80] Performed By: Brian Fordham Brian Fordham 70651 10-12-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. SANDS Gina M. Sands 234651 10-12-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Isabel L. GRIFFS Isabel L. Griffiths 1130321 10-17-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Jalbert Louis Jalbert 121447 10-13-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87249

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87249	55G	LA00000087249	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0725	NDA	Complete
LA-RTR2-10-0149	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87249	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87249	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0149
Examination Date:	12/10/2010
Waste Container ID:	87249
Video/Audio Recorded Media Number:	LA-RTR2-10-0149 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: _____ 174.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 138.4 _____ 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)

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Waste Container ID: 87249

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

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	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	135.4
Soils (S):	
Total WMP Weight:	138.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87249

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			12/10/2010
Print Name	Signature		Date

TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 6

Effective Date: 9/23/10

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10.12.10
- 8.[4] Parent Drum No.: 5831592
- 9.[14] Daughter Drum No.: 87249

UET

ATTACHMENT 3

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007; D008 D009 F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <u>GOOD</u> <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks):
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10 to 80</u> Tolerance: <u>± 3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>H427</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87249</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gal</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>8 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[80] Performed By: Brian Forthman B. Forthman 1235435 10-12-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. Sands Gina M. Sands 234278 10-12-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Giffis Robert L. Giffis 130792 10-13-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Talbot Louis Talbot 1121997 10-13-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87255

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87255	55G	LA00000087255	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1333	NDA	Complete
LA-RTR2-10-0149	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87255	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87255		NO DATA			

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0149
Examination Date:	12/10/2010
Waste Container ID:	87255
Video/Audio Recorded Media Number:	LA-RTR2-10-0149 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: _____ 204.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 168.4 _____ 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:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 87255


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	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	165.4
Soils (S):	
Total WMP Weight:	168.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87255

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	
		12/10/2010	

TA-54 Area G Sludge Remediation Activities

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10-12-10
- 8.[4] Parent Drum No.: 5831606
- 9.[14] Daughter Drum No.: 87255

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ATTACHMENT 3

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>0007 0008 0009 F002</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>SAT</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+/-3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>H42</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87255</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 Gal</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>9 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[80] Performed By: Roberto Baca [Signature] 1234028 10-12-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: Gina M. Sands [Signature] 734724 10-12-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Rosario L. Griggs [Signature] 1132326 10-13-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Jalbero [Signature] 124947 10-13-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87256

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87256	55G	LA00000087256	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
1LANDA1333	NDA	Complete
LA-RTR2-10-0149	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87256	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87256	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0149
Examination Date:	12/10/2010
Waste Container ID:	87256
Video/Audio Recorded Media Number:	LA-RTR2-10-0149 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: _____ 196.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 160.4 _____ 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)

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Waste Container ID: 87256

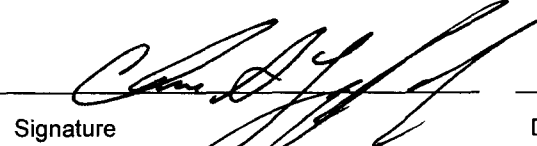
Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Absorbent
Plastic bag, cut up liner lid
Solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	1.0
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	157.9
Soils (S):	
Total WMP Weight:	160.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87256

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	
		12/10/2010	

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10-12-10
- 8.[4] Parent Drum No.: S 831587
- 9.[14] Daughter Drum No.: 87256

UET

ATTACHMENT 3

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Step	Condition
8.[18]	RCRA Designation (RPA Codes): <u>D007 D008 D009 F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>SAT</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>632275</u> Cal. Expiration Date: <u>6/11/11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+3%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>H12</u> RCRA Designation: <u>N/C</u>
8.[70][E]	RCRA Designation: <u>N/C</u> RCRA Designation: <u>N/C</u>
8.[70][E]	Daughter Drum No.: <u>87256</u> Daughter Drum No.: <u>N/C</u>
8.[70][E]	Daughter Drum No.: <u>N/C</u> Daughter Drum No.: <u>N/C</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 Gal</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>9 CUPS</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments: N/C

8.[80] Performed By: Roberto Baez Signature: [Signature] Z# 0340781 Date 10-12-10
Operator (Print)

8.[82] Reviewed By: Gina M. Smith Signature: [Signature] Z# 234254 Date 10-12-10
Supervision (Print)

13.1[2][C] Reviewed By: Robert L. Griffiths Signature: [Signature] Z# 1130352 Date 10-13-10
CSE (print)

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis J. J. J. Signature: [Signature] Z# 1121997 Date 10-13-10
SOM or designee (print)

CONTAINERID: 87261

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87261	55G	LA00000087261	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0726	NDA	Complete
LA-RTR2-10-0149	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87261	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87261	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0149
Examination Date:	12/10/2010
Waste Container ID:	87261
Video/Audio Recorded Media Number:	LA-RTR2-10-0149 A
Procedure and Revision No.:	CCP-TP-053 Rev. 9
NCR(s) associated with the container?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (e.g., Prohibited Items)
	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: _____ 183.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 146.9 _____ 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)

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Waste Container ID: 87261


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	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	2.5
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	142.9
Soils (S):	
Total WMP Weight:	146.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87261

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	
		12/10/2010	

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10-13-10
- 8.[4] Parent Drum No.: 5831641
- 9.[14] Daughter Drum No.: 87261

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ATTACHMENT 3

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>6/11/11</u> Range in ft-lb: <u>10-80 ft-lb</u> Tolerance: <u>±5%</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>B7261</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>5 gallons</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>18 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C

8.[80] Performed By: Harvey Martinez Harvey Martinez 15107, 10-13-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: T. WEIGEL T. Weigel 222617, 10-13-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffis Robert L. Griffis 1130376, 10-14-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Jalbert Louis Jalbert 01447, 10-14-10
SOM or designee (print) Signature Z# Date

CONTAINERID: 87262

LANL

AK DATA

<u>Container ID</u>	<u>Container Type</u>	<u>AKA Matrix</u>	<u>WDS Status</u>	<u>AK Excluded</u>	<u>WSID</u>	<u>LOTID</u>	<u>RSLOTID</u>	<u>LOT Excluded</u>
87262	55G	LA00000087262	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- Lot 75 (none)	2 (RELEASED)	NONE

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>
2LANDA0725	NDA	Complete
LA-RTR2-10-0149	RTR	Complete

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
87262	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
87262	NO DATA				

Attachment 2 – CCP Radiography Data Sheet

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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-RTR2-10-0149
Examination Date:	12/10/2010
Waste Container ID:	87262
Video/Audio Recorded Media Number:	LA-RTR2-10-0149 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: _____ 180.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 143.9 _____ 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)

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Waste Container ID: 87262

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Absorbent

Plastic bag, cut up liner lid

Solidified material (sludge)

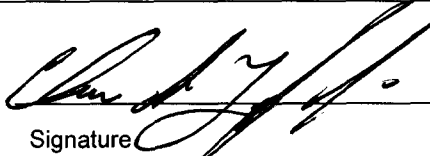
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	8.4
Others:	0.0
Total Packaging Weight:	36.1
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):	140.9
Soils (S):	
Total WMP Weight:	143.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 87262

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 12/10/2010	

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ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

- 4.3[13][A] (\$ No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (\$ No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[13][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[13][C] (\$ Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[14] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[17] Date: 10/13/10
- 8.[4] Parent Drum No.: 3831602
- 9.[14] Daughter Drum No.: 87262

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ATTACHMENT 3

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Step	Condition
8.[18]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[20]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[25]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>GOOD</u>
8.[26][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[28]	<input type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[31]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032275</u> Cal. Expiration Date: <u>06/11/11</u> Range in ft-lb: <u>10-80 ft-lb.</u> Tolerance: <u>± 3%.</u>
8.[32]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[34]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[64]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[70][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[70][E]	Daughter Drum No.: <u>87262</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[73]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 gallons</u>
8.[74]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>7 cups</u>
8.[77]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C

8.[80] Performed By: Harvey Martinez Harvey Martinez 151017/10-13-10
Operator (Print) Signature Z# Date

8.[82] Reviewed By: T. WEIGEL T. Weigel 092617/10-13-10
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 1130356/10-14-10
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO

13.1[2][H] Reviewed By: Louis Jalbert Louis Jalbert 021197/10-14-10
SOM or designee (print) Signature Z# Date