



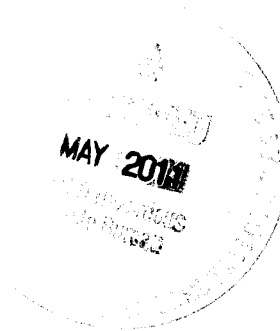
Department of Energy

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

MAY 26 2011

 **ENTERED**

Mr. John Kieling, Acting Bureau 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 Lot 478

Dear Mr. Kieling:

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 the following information for each container:

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

Enclosed is a Digital Video Disk (DVD) containing the required documents for 72 containers listed beginning on page 3 of this letter. Each container listed has its Real-Time Radiography (RTR) Batch Data Report (BDR), Non-Conformance Report (NCR) disposition information, and Prohibited Item Disposition (PID) form. The PID for some containers shows the parent container and the daughter containers. These daughter containers passed RTR and do not have a NCR. All containers in this group are daughter drums. The PID does identify that the containers have been remediated for liquids.

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



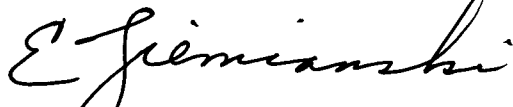
Mr. John Kieling

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MAY 26 2011

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

Sincerely,



Edward Ziemianski, Acting Manager
Carlsbad Field Office



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

Enclosure

cc: w/enclosure

N. Castaneda, CBFO	*ED
J.R. Stroble, CBFO	ED
G. Basabilvazo, CBFO	ED
S. McCauslin, CBFO	ED
S. Holmes, NMED	ED
D. Haar, WTS	ED
D. Ploetz, WTS	ED
M. Percy, WTS	ED
J. Eastham, WTS	ED
V. Waldram, WTS	ED
Site Documents	ED
CBFO M&RC	

*ED denotes electronic distribution

MAY 26 2011

LANL LA-MIN03-NC.001 Containers

NDE BDRs	CONTAINER IDs
LA-RTR2-11-0031	88435
LA-RTR2-11-0031	88440
LA-RTR2-11-0031	88452
LA-RTR2-11-0031	88607
LA-RTR2-11-0032	88470
LA-RTR2-11-0032	88474
LA-RTR2-11-0032	88478
LA-RTR2-11-0032	88480
LA-RTR2-11-0032	88482
LA-RTR2-11-0032	88484
LA-RTR2-11-0032	88620
LA-RTR2-11-0032	88626
LA-RTR2-11-0032	88629
LA-RTR2-11-0032	88632
LA-RTR2-11-0032	88636
LA-RTR2-11-0032	88640
LA-RTR2-11-0033	88559
LA-RTR2-11-0033	88565
LA-RTR2-11-0033	88575
LA-RTR2-11-0033	88577
LA-RTR2-11-0033	88579
LA-RTR2-11-0033	88588
LA-RTR2-11-0033	88590
LA-RTR2-11-0033	88647
LA-RTR2-11-0033	88649
LA-RTR2-11-0033	88662
LA-RTR2-11-0034	88512
LA-RTR2-11-0034	88514
LA-RTR2-11-0034	88516
LA-RTR2-11-0034	88518
LA-RTR2-11-0034	88521
LA-RTR2-11-0034	88527
LA-RTR2-11-0034	88586
LA-RTR2-11-0034	88592
LA-RTR2-11-0034	88594
LA-RTR2-11-0034	88672
LA-RTR2-11-0034	88674
LA-RTR2-11-0034	88678
LA-RTR2-11-0034	88682

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LANL LA-MIN03-NC.001 Containers

NDE BDRs	CONTAINER IDs
LA-RTR2-11-0034	88690
LA-RTR2-11-0034	88692
LA-RTR2-11-0038	88498
LA-RTR2-11-0038	88499
LA-RTR2-11-0038	88502
LA-RTR2-11-0038	88504
LA-RTR2-11-0038	88506
LA-RTR2-11-0038	88508
LA-RTR2-11-0038	88709
LA-RTR2-11-0038	88712
LA-RTR2-11-0038	88714
LA-RTR2-11-0038	88716
LA-RTR2-11-0038	88720
LA-RTR2-11-0038	88728
LA-RTR2-11-0038	88730
LA-RTR2-11-0038	88732
LA-RTR2-11-0038	88734
LA-RTR2-11-0038	88749
LA-RTR2-11-0038	88752
LA-RTR2-11-0038	88756
LA-RTR2-11-0038	88762
LA-RTR2-11-0038	88769
LA-RTR2-11-0039	88532
LA-RTR2-11-0039	88535
LA-RTR2-11-0039	88540
LA-RTR2-11-0039	88544
LA-RTR2-11-0039	88777
LA-RTR2-11-0039	88779
LA-RTR2-11-0039	88783
LA-RTR2-11-0039	88785
LA-RTR2-11-0039	88795
LA-RTR2-11-0039	88797
LA-RTR2-11-0039	88800

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-21-11	
	8.[5]	Parent Drum No.:	S 850 502	
	9.[14]	Daughter Drum No.:	88800	

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TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>0007 0008 0009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8 [71][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.[71][E]	Daughter Drum No.: <u>88500</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 cups</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

nk 5850502 4-2

IPC-1

IPC-1

8.[81] Performed By: Ben Rodriguez [Signature] 22230 4-21-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Alan Sanchez [Signature] 176445 4/12/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffith [Signature] 11235 4-22-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gina Walsh [Signature] 114849 4/12/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88800**

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 Exclud ed</u>
88800	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0788	NDA	Complete	2011-04-27
LA-RTR2-11- 0039	RTR	Complete	2011-04-26

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88800	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>
88800	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:	LANL
Batch Number:	LA-RTR2-11-0039
Examination Date:	04/26/2011
Waste Container ID:	88800
Video/Audio Recorded Media Number:	LA-RTR2-11-0039 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 173.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 136.9 _____ 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:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88800


Section 3: Container Inventory and Comments (Detailed descriptions)
Metal closure ring
Liner lid
Absorbent, 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	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	133.4
Soils (S):	
Total WMP Weight:	136.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88800

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Eric Lyles		4/26/11
Print Name	Signature	Date

**CONTAINERID: 88797**

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 Exclud ed</u>
88797	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0788	NDA	Complete	2011-04-27
LA-RTR2-11-0039	RTR	Complete	2011-04-26

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88797	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>
88797	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:	LANL
Batch Number:	LA-RTR2-11-0039
Examination Date:	04/26/2011
Waste Container ID:	88797
Video/Audio Recorded Media Number:	LA-RTR2-11-0039 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 195.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 158.9 _____ 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:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88797

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding

Liner lid

Absorbent, solidified material (sludge)

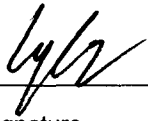
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	157.3
Soils (S):	
Total WMP Weight:	158.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88797

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: <u>N/A</u>		
RTR Operator:		
<u>Eric Lyles</u>	<u></u>	<u>4/26/11</u>
Print Name	Signature	Date

TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

4.3[8][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[8][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT

4.3[8][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[8][D] (CS) (\$ The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):

- Drums are 55 gal. or larger for remediation ☒ SAT ☐ UNSAT
- Each drum is \leq 200 FGE ☒ SAT ☐ UNSAT
- Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
- Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT

4.3[9] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A

IPC-1

8.[18] Date:

8.[5] Parent Drum No.:

9.[14] Daughter Drum No.:

4-21-11

5824350

88797

075

TA-54 Area G Sludge Remediation Activities

UET

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

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ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>0007 0008 0009 0001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88797</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 Curs</u>
8.[78]	<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 5-2-3

IPC-1

IPC-1

8.[81] Performed By: Ben Rodriguez BR 007231 4-21-11
Operator (Print) Signature Z # Date

8.[83] Reviewed By: Chris Sanchez CS 176445 4/21/11
Supervision (Print) Signature Z # Date

13.1[2][C] Reviewed By: Robert RB 130356 4-21-11
CSE (print) Signature Z # Date

13.1[2][E]

Acceptance criteria satisfied:

☒ YES ☐ NO

13.1[2][H]

Reviewed By: Guillermo GW 114849 4/21/11
SOM or designee (print) Signature Z # Date

076

**CONTAINERID: 88795**

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 Exclud ed</u>
88795	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 3 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0788	NDA	Complete	2011-04-27
LA-RTR2-11- 0039	RTR	Complete	2011-04-26

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88795	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>
88795	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:	LANL
Batch Number:	LA-RTR2-11-0039
Examination Date:	04/26/2011
Waste Container ID:	88795
Video/Audio Recorded Media Number:	LA-RTR2-11-0039 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 242.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 205.9 _____ 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)

Page 2 of 3

Waste Container ID: 88795

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Liner lid

Absorbent, 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	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	202.4
Soils (S):	
Total WMP Weight:	205.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88795

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator: Eric Lyles		
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

	4.3[8][A]	(\$)	No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(\$)	No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(\$)	Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][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)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	CS	The following requirements are satisfied: (AC 5.6.5, NCS-CSLA-11-043)		
	• Drums are 55 gal. or larger for remediation		<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	
	• Each drum is \leq 200 FGE		<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	
	• Only one parent drum remediated at one time		<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	
	• Daughter drums have only a single parent drum		<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT	
	4.3[9]	(\$)	No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	8.[18]	Date:	4-21-11		
	8.[5]	Parent Drum No.:	5893226		
	9.[14]	Daughter Drum No.:	88795		

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TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>0007 0008 0009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>4c2</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u>
8.[71][E]	Daughter Drum No.: <u>88795</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gallon</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
8.[78]	<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 5873226 422

IPC-1

8.[81]	Performed By: <u>Ben Rodriguez</u>	<u>BR</u>	<u>227230</u>	<u>4-21-11</u>
	Operator (Print)	Signature	Z #	Date
8.[83]	Reviewed By: <u>Alan Sanchez</u>	<u>AS</u>	<u>176448</u>	<u>4/21/11</u>
	Supervision (Print)	Signature	Z #	Date
13.1[2][C]	Reviewed By: <u>Robert L. Galt</u>	<u>Robert L. Galt</u>	<u>130352</u>	<u>4-21-11</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>Chad Welch</u>	<u>Chad Welch</u>	<u>114549</u>	<u>4-27-11</u>
	SOM or designee (print)	Signature	Z #	Date

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**CONTAINERID: 88785**

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 Exclud ed</u>
88785	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0788	NDA	Complete	2011-04-27
LA-RTR2-11-0039	RTR	Complete	2011-04-26

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88785	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>
88785	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:	LANL
Batch Number:	LA-RTR2-11-0039
Examination Date:	04/26/2011
Waste Container ID:	88785
Video/Audio Recorded Media Number:	LA-RTR2-11-0039 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 190.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 153.9 _____ 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)

Page 2 of 3

Waste Container ID: 88785

Section 3: Container Inventory and Comments (Detailed descriptions)

Liner lid

Absorbent, 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	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	152.4
Soils (S):	
Total WMP Weight:	153.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88785

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)		Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?		<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?		<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 for heavy and/or sharp objects?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A			
RTR Operator: Eric Lyles			4/26/11
Print Name	Signature	Date	

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[8][A] (S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT
- (S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT
- 4.3[8][B] (S) Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[8][C] (S) 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[8][D] (CS) (S) The following requirements are satisfied: (AC 5.6.5, NCS-CSLA-11-043):
- Drums are 55 gal or larger for remediation ☒ SAT ☐ UNSAT
 - Each drum is \leq 200 L GE ☒ SAT ☐ UNSAT
 - Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
 - Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT
- 4.3[9] (S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[18] Date: 4/21/11
- 8.[5] Parent Drum No.: 8841576
- 9.[14] Daughter Drum No.: 88785

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TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>0007, 0008, 0009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>HA</u>
8.[71][E]	Daughter Drum No.: <u>88785</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>HA</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 Gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 cups</u>
8.[78]	<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 5841576 217 4-22-11

IPC-1 8.[81] Performed By: Tony Sena [Signature] 1257352 4-21-11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: Man Sanchez [Signature] 11764451 4/21/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Giffie [Signature] 1130386 4-22-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: [Signature] [Signature] 1148744 4-27-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88783**

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>
88783	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 3 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0788	NDA	Complete	2011-04-27
LA-RTR2-11-0039	RTR	Complete	2011-04-26

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88783	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>
88783	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:	LANL
Batch Number:	LA-RTR2-11-0039
Examination Date:	04/26/2011
Waste Container ID:	88783
Video/Audio Recorded Media Number:	LA-RTR2-11-0039 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 236.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 199.9 _____ 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)

Page 2 of 3

Waste Container ID: 88783

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Liner lid

Absorbent, 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	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	196.4
Soils (S):	
Total WMP Weight:	199.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88783

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator: <u>Eric Lyles</u> <u></u> <u>4/26/11</u>		
Print Name	Signature	Date

TA-54 Area G Sludge Remediation Activities

UET

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LIQUID REMEDIATION CHECKLIST

4.3[8][A] (S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT

(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT

4.3[8][B] (S) Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT

4.3[8][C] (S) 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[8][D] (CS) (S) The following requirements are satisfied:
(CAL 5.6.3, NCS-CSLA-11-043)
• Drums are 55 gal. or larger for remediation ☒ SAT ☐ UNSAT
• Each drum is \leq 200 FGE ☒ SAT ☐ UNSAT
• Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
• Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT

4.3[9] (S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A

IPC-1
8.[18] Date: 4-21-11
8.[5] Parent Drum No.: 3880944
9.[14] Daughter Drum No.: 88783

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): D007, D008, D009, F001
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): good
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: 032275 Cal. Expiration Date: 6-11-11 Range in ft-lb: 10-80 Tolerance: + - 3%
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[71][D]	RCRA Designation: HAZ RCRA Designation: N/A RCRA Designation: N/A RCRA Designation: N/A
8.[71][E]	Daughter Drum No.: 88783 Daughter Drum No.: N/A Daughter Drum No.: N/A Daughter Drum No.: N/A
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 0
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 2 cups
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

5880944

IPC-1	8.[81]	Performed By:	Tony Sena	Signature	12373921	4-21-11
		Operator (Print)			Z #	Date
IPC-1	8.[83]	Reviewed By:	Chas Sanchez	Signature	1764441	4/21/11
		Supervision (Print)			Z #	Date
	13.1[2][C]	Reviewed By:	Robert L. Giffis	Signature	11303521	4-22-11
		CSE (print)			Z #	Date
	13.1[2][E]	Acceptance criteria satisfied:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
	13.1[2][H]	Reviewed By:	Sam Wells	Signature	1148449	4-27-11
		SOM or designee (print)			Z #	Date

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**CONTAINERID: 88779**

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 Exclud ed</u>
88779	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0788	NDA	Complete	2011-04-27
LA-RTR2-11-0039	RTR	Complete	2011-04-26

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88779	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>
88779	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:	LANL
Batch Number:	LA-RTR2-11-0039
Examination Date:	04/26/2011
Waste Container ID:	88779
Video/Audio Recorded Media Number:	LA-RTR2-11-0039 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 163.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 127.4 _____ 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:	_____ 70 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88779


Section 3: Container Inventory and Comments (Detailed descriptions)
Metal closure ring
Tape roll
Liner lid
Absorbent, 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	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	0.1
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	123.8
Soils (S):	
Total WMP Weight:	127.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88779

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: <u>N/A</u>		
RTR Operator:		
<u>Eric Lyles</u>		<u>4/26/11</u>
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N A
IPC-1	8[18]	Date:	4-21-11	
	8[5]	Parent Drum No.:	8850196	
	9[14]	Daughter Drum No.:	88779	

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UET

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88779</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 cups</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

M 5850196 244
A 4-22-11

IPC-1 | 8.[81] Performed By: Tony Sena Tony Sena 237352 4-21-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Chas Sanchez Chas Sanchez 1764457 4/21/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffith Robert L. Griffith 132356 4-22-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail Wurst Gail Wurst 114844 4-27-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88777**

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 Exclud ed</u>
88777	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0788	NDA	Complete	2011-04-27
LA-RTR2-11- 0039	RTR	Complete	2011-04-26

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88777	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>
88777	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:	LANL
Batch Number:	LA-RTR2-11-0039
Examination Date:	04/26/2011
Waste Container ID:	88777
Video/Audio Recorded Media Number:	LA-RTR2-11-0039 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 217.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 180.9 _____ 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: 88777

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding

Liner lid

Absorbent, solidified material (sludge)

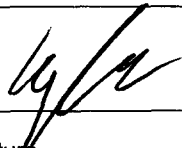
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	179.3
Soils (S):	
Total WMP Weight:	180.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88777

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: <u>N/A</u>		
RTR Operator: <u>Eric Lyles</u> <u></u> <u>4/26/11</u>		
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>4-21-11</u>	
	8.[5]	Parent Drum No.:	<u>S793585</u>	
	9.[14]	Daughter Drum No.:	<u>88777</u>	

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TA-54 Area G Sludge Remediation Activities

UET

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> No (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information. MT&E No.: <u>022275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+/- 3%</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88777</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid fecal: <u>2 gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
8.[78]	<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 5793585 4-22-11

IPC-1	8.[81]	Performed By: <u>Tony Sen</u> Operator (print)	<u>[Signature]</u> Signature	<u>122552</u> Z #	<u>4-21-11</u> Date
IPC-1	8.[83]	Reviewed By: <u>Chen Sanchez</u> Supervision (print)	<u>[Signature]</u> Signature	<u>176485</u> Z #	<u>4/21/11</u> Date
	13.1[2][C]	Reviewed By: <u>Robert L. Gifford</u> CSE (print)	<u>[Signature]</u> Signature	<u>130382</u> Z #	<u>4-22-11</u> Date
	13.1[2][E]	Reviewed By: <u>Gail Welsch</u> SOM or designee (print)	<u>[Signature]</u> Signature	<u>114849</u> Z #	<u>4/27/11</u> Date

002

**CONTAINERID: 88769**

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 Exclud ed</u>
88769	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0786	NDA	Complete	2011-04-25
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88769	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>
88769	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88769
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 168.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 131.9 _____ 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)

Page 2 of 3

Waste Container ID: 88769

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

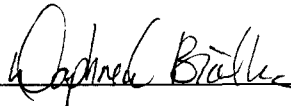
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	129.8
Soils (S):	
Total WMP Weight:	131.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88769

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

4.3[8][A] (S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT

(S) No metal WASTE CONTAINERS \leq 1 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT

4.3[8][B] (S) Boundaries of the SSSR Process Area are defined (SR 4.7.1) ☒ SAT ☐ UNSAT

4.3[8][C] (S) 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

IPC-1

4.3[8][D] (S) The following requirements are satisfied (AC 4.6.3 (b) (4) (SR 4.7.1042)):

- Drums are \geq gal or larger for remediators ☒ SAT ☐ UNSAT
- Each drum is \leq 200 FGL ☒ SAT ☐ UNSAT
- Only one parent drum remediated at a time ☒ SAT ☐ UNSAT
- Daughter drums have only a single tank drum ☒ SAT ☐ UNSAT

4.3[9] (S) No flammable liquids are stored within the SSSR Process Area Boundaries (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A

IPC-1

8[12] Date: 4/20/11

8[5] Parent Drum No.: S831954

9[14] Daughter Drum No.: 88769

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TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range
8.[55]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88769</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 cups</u>
8.[78]	<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 5831954 4-21-11

IPC-1	8.[81]	Performed By:	<u>Tony Senu</u>	<u>Tony Senu</u>	<u>237592</u>	<u>4-20-11</u>
		Operator (Print)		Signature	Z #	Date
IPC-1	8.[83]	Reviewed By:	<u>Jon R. Cassel</u>	<u>Jon R. Cassel</u>	<u>234252</u>	<u>4-20-11</u>
		Supervision (Print)		Signature	Z #	Date
	13.1[2][C]	Reviewed By:	<u>Robert L. Griffith</u>	<u>Robert L. Griffith</u>	<u>130352</u>	<u>4-21-11</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>Chad M. Walsh</u>	<u>Chad M. Walsh</u>	<u>114844</u>	<u>4-27-11</u>
		SOM or designee (print)		Signature	Z #	Date

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**CONTAINERID: 88762**

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 Exclud ed</u>
88762	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0787	NDA	Complete	2011-04-26
LA-RTR2-11- 0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88762	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>
88762	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88762
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 186.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 150.4 _____ 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: 88762

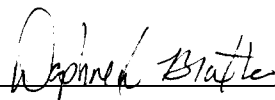
Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Cut up liner lid, plastic bag
Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	148.2
Soils (S):	
Total WMP Weight:	150.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88762

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

Page 1 of 2

4. [X] [] (S) No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR
Process Area (SEE 4.3.3) ☒ SAT ☐ UNSAT

(S) No metal WASTE CONTACTS: 700 from SSSR
Process Area (SR 47-4) ☒ SAT ☐ UNSAT

4. **Country:** (S) Boundary of the USSR Process: clearly defined. (US) ☒ (S) ☐ (US) ☐

(5) Total cost of demurrage for the SSSR from the boundaries for up stream and maintenance facilities is \$1 gal. (sk = 155) ☒ \$61 ☐ \$547

1-2-11

(S) The following requirements are satisfied:

(AC S&S 301 & FTA 10-643)

- Drum must be galvanized or larger for ventilation ☒ SAT ☐ UNSAT
- Each drum has > 200 FGE ☒ SAT ☐ UNSAT
- Only one drum from remediated site used ☒ SAT ☐ UNSAT
- Daughter drums have only a single vent drum ☒ SAT ☐ UNSAT

SSSR Product Area: Boundaries: (SR # 11) ☒ SAT ☐ UNSAT ☐ NA

1-34

8.1 Date: _____

8.2 Parent Drug Use: _____

9.1 Daughter Drug Use: _____

4-20-11
S 825 146
88762

083

TA-54 Area G Sludge Remediation Activities

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

UET

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ATTACHMENT 3

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Step	Condition
8.[10]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][1]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<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.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb Record actual torque value: <u>12</u> ft-lb
8.[13][1]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u>
8.[13][2]	Daughter Drum No. <u>88762</u> Daughter Drum No. <u>n/a</u> Daughter Drum No. <u>n/a</u> Daughter Drum No. <u>n/a</u>
8.[14]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>5 gallons</u>
8.[15]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>9 cups</u>
8.[16]	<input checked="" type="checkbox"/> Rigid liner held in place at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

n/a 5825146 2-11

IPC-1	8.[81]	Performed By: <u>Ben Rodriguez</u> Operator (Print)	<u>BR</u> Signature	<u>234252</u> Z#	<u>4-20-11</u> Date
IPC-1	8.[82]	Reviewed By: <u>Jon R. Cassel</u> Supervision (Print)	<u>Jon R. Cassel</u> Signature	<u>234252</u> Z#	<u>4-20-11</u> Date
	13.[12][1]	Reviewed By: <u>Robert L. Griffith</u> CSE (Print)	<u>Robert L. Griffith</u> Signature	<u>130312</u> Z#	<u>4-21-11</u> Date
	13.[13][1]	Acceptance criteria satisfied	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
	13.[13][2]	Reviewed By: <u>Gail M. Welsh</u> SOV or Designee (Print)	<u>Gail M. Welsh</u> Signature	<u>114819</u> Z#	<u>4-27-11</u> Date

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**CONTAINERID: 88756**

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 Exclud ed</u>
88756	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0788	NDA	Complete	2011-04-27
LA-RTR2-11- 0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88756	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>
88756	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88756
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 205.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 169.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88756

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring, scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

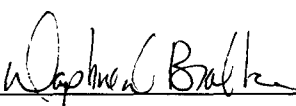
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	165.3
Soils (S):	
Total WMP Weight:	169.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88756

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

	4.3[P][A]	(S) No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		Process Area (SR 4.7.3)		
		(S) No metal WASTE CONTAINERS ≤ 9 ft from SSSR	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		Process Area (SR 4.7.4)		
	4.3[P][C]	(S) Boundaries of the SSSR Process Area are	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		defined (SR 4.1)		
	4.3[P][D]	(S) Total volume of flammable liquids within SSSR Process Area (Excludes for operations and maintenance activities as noted) (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[P][E]	(S) The following requirements are satisfied		
		AC 5.6.3, NCS 5.7.1, 5.7.2, 5.7.3		
		Drums are 55 gal or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		Each drum is ≤ 24 in x 3	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[P]	(S) No flammable liquids are stored within the	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		SSSR Process Area boundaries (SR 4.7.5)		N/A
IPC-1	8.[18]	Date:	4-20-11	
	8.[5]	Parent Drum No.:	S 870689	
	9.[14]	Daughter Drum No.:	88756	

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88756</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gallon</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 cups</u>
8.[78]	<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 5870689 4-21-11

IPC-1	8.[81]	Performed By: <u>Ben Rodriguez</u>	Signature: <u>[Signature]</u>	Z #	Date: <u>4-20-11</u>
IPC-1	8.[83]	Reviewed By: <u>Jon R. Cassee</u>	Signature: <u>[Signature]</u>	Z #	Date: <u>4-20-11</u>
	13.1[2][C]	Reviewed By: <u>Robert L. Griffith</u>	Signature: <u>[Signature]</u>	Z #	Date: <u>4-21-11</u>
	13.1[2][E]	Acceptance criteria satisfied: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
	13.1[2][H]	Reviewed By: <u>Chad M. Welsh</u>	Signature: <u>[Signature]</u>	Z #	Date: <u>4-27-11</u>

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**CONTAINERID: 88752**

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 Exclud ed</u>
88752	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0790	NDA	Complete	2011-04-29
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88752	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>
88752	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88752
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 203.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 166.9 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88752

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	164.7
Soils (S):	
Total WMP Weight:	166.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88752

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers	<i>Daphne S. Brothers</i>	4/25/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

4.3[8][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[8][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT

4.3[8][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[8][D] (S) (S) The following requirements are satisfied:
(AC 5.6.3, NCS-CSI A-11-043):

- Drums are 55 gal. or larger for remediation ☒ SAT ☐ UNSAT
- Each drum is \leq 200 FGE ☒ SAT ☐ UNSAT
- Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
- Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT

4.3[9] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A

IPC-1 8.[18] Date: 4-20-11
8.[5] Parent Drum No.: S 833675
9.[14] Daughter Drum No.: 88752

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>H62</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u>
8.[71][E]	Daughter Drum No.: <u>88752</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 coas</u>
8.[78]	<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 5838.75 4-21-11

IPC-1	8.[81]	Performed By: <u>Ben Rodriguez</u>	Signature: <u>[Signature]</u>	Z #	Date
		Operator (Print)			22728 4-20-11
IPC-1	8.[83]	Reviewed By: <u>Jon R Cassel</u>	Signature: <u>[Signature]</u>	Z #	Date
		Supervision (Print)			234252 4-20-11
	13.1[2][C]	Reviewed By: <u>Robert L. Griffith</u>	Signature: <u>[Signature]</u>	Z #	Date
		CSE (print)			130332 4-21-11
	13.1[2][E]	Acceptance criteria satisfied:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
	13.1[2][H]	Reviewed By: <u>Gail M. Welsh</u>	Signature: <u>[Signature]</u>	Z #	Date
		SOM or designee (print)			114819 4-27-11

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**CONTAINERID: 88749**

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 Exclud ed</u>
88749	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0787	NDA	Complete	2011-04-26
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88749	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>
88749	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88749
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 192.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 155.9 _____ 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: 88749

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

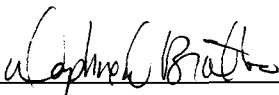
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	153.8
Soils (S):	
Total WMP Weight:	155.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88749

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

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LIQUID REMEDIATION CHECKLIST

4.3[S][A] (S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT

(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT

4.7.1.10 (S) Boundaries of the SSSR Process Area are defined. (SR 4.1.1) ☒ SAT ☐ UNSAT

4.7.1.11 (S) Total volume of flammable liquids within the SSSR Process Area boundaries for operations and maintenance activities is \leq 1 gal. (SR 4.1.1) ☒ SAT ☐ UNSAT

4.7.1.12 (S) The following requirements are satisfied (AC 5.6.2.1 - 5.6.2.4-1) (4.3):
 • Drums are 1 1/2 gal. or larger for maintenance ☒ SAT ☐ UNSAT
 • Exclusively for PGE ☒ SAT ☐ UNSAT
 • Only one drum per remediated area ☒ SAT ☐ UNSAT
 • Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT

4.7.1.13 (S) No flammable liquids are stored within SSSR Process Area boundaries. (SR 4.1.1) ☒ SAT ☐ UNSAT ☐ N/A

IPC-1
 4.7.1.14
 4.7.1.15

Date:

Parent Drum No.

Daughter Drum No.

4-20-11

S 804797

88749

033

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<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.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>1402</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u>
8.[71][E]	Daughter Drum No.: <u>88749</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 gallons</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 cups</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comment:

n/a 5824797 4-21-11

IPC-1	8.[81]	Performed By: <u>Ben Rodriguez</u>	<u>B. Rodriguez</u>	<u>22728</u>	<u>4-20-11</u>
		Operator (Print)	Signature	Z #	Date
IPC-1	8.[83]	Reviewed By: <u>Jack Cassee</u>	<u>Jack Cassee</u>	<u>224252</u>	<u>4-20-11</u>
		Supervision (Print)	Signature	Z #	Date
	13.1[2][C]	Reviewed By: <u>Robert L. Griffiths</u>	<u>Robert L. Griffiths</u>	<u>112032</u>	<u>4-21-11</u>
		CSE (print)	Signature	Z #	Date
	13.1[2][D]	Acceptance criteria satisfied: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
	13.1[2][H]	Reviewed By: <u>Gajm. Welsh</u>	<u>Gajm. Welsh</u>	<u>114849</u>	<u>4-27-11</u>
		COM or designee (print)	Signature	Z #	Date

034

**CONTAINERID: 88734**

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 Exclud ed</u>
88734	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0787	NDA	Complete	2011-04-26
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88734	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>
88734	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88734
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 220.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 183.9 _____ 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: 88734

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

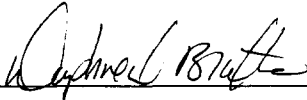
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	181.9
Soils (S):	
Total WMP Weight:	183.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88734

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3. NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) <u>No</u> flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>4-19-11</u>	
	8.[5]	Parent Drum No.:	<u>5804844</u>	
	9.[14]	Daughter Drum No.:	<u>88734</u>	

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TA-54 Area G Sludge Remediation Activities

UET

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

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>032975</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+ 3%</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>1102</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u>
8.[71][E]	Daughter Drum No.: <u>88734</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>4 gallons</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 cups</u>
8.[78]	<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 5804844 R-ET 4-22-11

IPC-1 IPC-1

8.[81]	Performed By: <u>Ramiro Rodriguez</u> <u>[Signature]</u> <u>227230</u> <u>4-19-11</u> Operator (Print) Signature Z# Date
8.[83]	Reviewed By: <u>[Signature]</u> <u>[Signature]</u> <u>1764451</u> <u>4-15-11</u> Supervision (Print) Signature Z# Date
13.1[2][C]	Reviewed By: <u>Robert L. Giffis</u> <u>[Signature]</u> <u>1303571</u> <u>4-22-11</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 J. J. [Signature]</u> <u>[Signature]</u> <u>12647</u> <u>4-20-11</u> SOM or designee (print) Signature Z# Date

036

**CONTAINERID: 88732**

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 Exclud ed</u>
88732	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0786	NDA	Complete	2011-04-25
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88732	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>
88732	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88732
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 205.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 168.9 _____ 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)

Page 2 of 3

Waste Container ID: 88732

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

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	166.7
Soils (S):	
Total WMP Weight:	168.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88732

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: <u>N/A</u>		
RTR Operator:		
<u>Daphne Brothers</u>	<u><i>Daphne A C Brothers</i></u>	<u>4/25/11</u>
Print Name	Signature	Date

TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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LIQUID REMEDIATION CHECKLIST

4.3[8][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[8][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT

4.3[8][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

IPC-1

4.3[8][D] (CS) (\$ The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):

- Drums are 55 gal. or larger for remediation ☒ SAT ☐ UNSAT
- Each drum is \leq 200 FGE ☒ SAT ☐ UNSAT
- Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
- Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT

4.3[9] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A

IPC-1

8.[18]

Date:

8.[5]

Parent Drum No.:

9.[14]

Daughter Drum No.:

4-19-11

5814850

88732

047

TA-54 Area G Sludge Remediation Activities

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ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F01</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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>10-50</u> Tolerance: <u>+3%</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88732</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gallon</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>3 cubes</u>
8.[78]	<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 581485D ^{RTH} 4-20-11

IPC-1

8.[81]	Performed By: <u>Bon Rodriguez</u> <u>[Signature]</u> <u>622728</u> <u>4-19-11</u> Operator (Print) Signature Z # Date
8.[83]	Reviewed By: <u>Chen Spacher</u> <u>[Signature]</u> <u>1176448</u> <u>4-18-11</u> Supervision (Print) Signature Z # Date
13.1[2][C]	Reviewed By: <u>Robert L. Griffiths</u> <u>[Signature]</u> <u>1130332</u> <u>4-20-11</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 Jallone</u> <u>[Signature]</u> <u>124447</u> <u>4-20-11</u> SOM or designee (print) Signature Z # Date

048

**CONTAINERID: 88730**

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 Exclud ed</u>
88730	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0787	NDA	Complete	2011-04-26
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88730	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>
88730	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88730
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 202.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 165.9 _____ 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: 88730

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

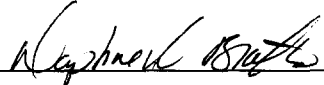
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	163.7
Soils (S):	
Total WMP Weight:	165.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88730

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(\$)	No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(\$)	No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(\$)	Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][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)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS)	(\$) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-045):		
			• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(\$)	No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>4-19-11</u>		
	8.[5]	Parent Drum No.:	<u>5823820</u>		
	9.[14]	Daughter Drum No.:	<u>88730</u>		

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TA-54 Area G Sludge Remediation Activities

UET

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>0007 0007 0009 Fool</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>1162</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u>
8.[71][E]	Daughter Drum No.: <u>88730</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>6 gallons</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>10 cups</u>
8.[78]	<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 5823820 2-17 4-20-11

IPC-1

IPC-1

8.[81] Performed By: Ben Rodriguez GR 20720 4-19-11
Operator (Print) Signature Z # Date

8.[83] Reviewed By: Chris Sanchez Chris S 17645 4-19-11
Supervision (Print) Signature Z # Date

13.1[2][C] Reviewed By: Robert L. Griffiths Robert L. Griffiths 13526 4-20-11
CSE (print) Signature Z # Date

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

13.1[2][H] Reviewed By: Louis Jalbert Louis J 20720 4-20-11
SOM or designee (print) Signature Z # Date

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**CONTAINERID: 88728**

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 Exclud ed</u>
88728	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0787	NDA	Complete	2011-04-26
LA-RTR2-11- 0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88728	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>
88728	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88728
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 195.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 158.9 _____ 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: 88728

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

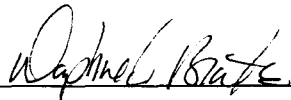
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	156.9
Soils (S):	
Total WMP Weight:	158.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88728

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) <u>No</u> flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>4-19-11</u>	
	8.[5]	Parent Drum No.:	<u>5804465</u>	
	9.[14]	Daughter Drum No.:	<u>88728</u>	

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>85372 032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+/- 3%</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>142</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u>
8.[71][E]	Daughter Drum No.: <u>88728</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 gallons</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 cups</u>
8.[78]	<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 5804465 4-20-11

IPC-1

8.[81] Performed By: Ben Rodriguez 1 2020 4-15-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Chen Sanchez Chen Sanchez 126445 4-15-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 130352 4-20-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis J. Barber Louis J. Barber 121997 4-20-11
SOM or designee (print) Signature Z# Date

026

**CONTAINERID: 88720**

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 Exclud ed</u>
88720	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0791	NDA	Complete	2011-05-02
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88720	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>
88720	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88720
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 214.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 178.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88720

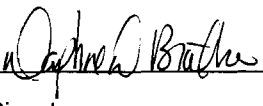
Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap metal
Cut up liner lid, plastic bag
Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	176.2
Soils (S):	
Total WMP Weight:	178.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88720

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>4/18/11</u>	
	8.[5]	Parent Drum No.:	<u>5810454</u>	
	9.[14]	Daughter Drum No.:	<u>88720</u>	

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): D007 D008 D009 F001
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): GOOD
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: 222275 Cal. Expiration Date: 6/1/11 Range in ft-lb: 10-50 Tolerance: +/- 3%
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[71][D]	RCRA Designation: 123 RCRA Designation: 123 RCRA Designation: 123 RCRA Designation: 123
8.[71][E]	Daughter Drum No.: 888 Daughter Drum No.: 888 Daughter Drum No.: 888 Daughter Drum No.: 888
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 394L
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 8 canisters
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

8.[81] Performed By: [Signature] Operator (Print) [Signature] Signature Z# 224252 Date 11/1/11

8.[83] Reviewed By: [Signature] Supervision (Print) [Signature] Signature Z# 1176489 Date 11/1/11

13.1[2][C] Reviewed By: [Signature] CSE (print) [Signature] Signature Z# 1130386 Date 11/1/11

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

13.1[2][H] Reviewed By: [Signature] SOM or designee (print) [Signature] Signature Z# 120557 Date 11/1/11

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**CONTAINERID: 88716**

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 Exclud ed</u>
88716	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0786	NDA	Complete	2011-04-25
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88716	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>
88716	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88716
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 164.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 128.4 _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88716

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring, scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	124.3
Soils (S):	
Total WMP Weight:	128.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88716

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: <u>N/A</u>		
RTR Operator:		
<u>Daphne Brothers</u>	<u><i>Daphne C. Bratt</i></u>	<u>4/25/11</u>
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-18-11	
	8.[5]	Parent Drum No.:	S 841405	
	9.[14]	Daughter Drum No.:	88716	

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ATTACHMENT 3

Page 2 of 2

Step	Condition
8.[19]	RCRA Designation (EPA Codes): D007 - D008 - D009 - F001
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>H A Z</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[71][E]	Daughter Drum No.: <u>88716</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 bags</u>
8.[78]	<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

5841405 ²⁻²⁹
4-19-11

IPC-1 8.[81] Performed By: Joe R. Casel Joe R. Casel 234252 / 4-18-11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: Chris Sanchez Chris Sanchez 11764457 / 4-18-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffith Robert L. Griffith 1132352 / 4-19-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis J. Barr Louis J. Barr 11764457 / 4-20-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88714**

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 Exclud ed</u>
88714	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0788	NDA	Complete	2011-04-27
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88714	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>
88714	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88714
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 184.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 147.9 _____ 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:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88714

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring, scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

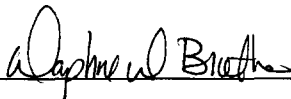
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	143.8
Soils (S):	
Total WMP Weight:	147.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88714

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-18-11	
	8.[5]	Parent Drum No.:	58500441	
	9.[14]	Daughter Drum No.:	88714	

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TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): 0007 0008 0009 Fuel
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): Good
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MILL No.: 032275 Cal. Expiration Date: 10-11-11 Range in ft-lb: 10-80 Tolerance: 1-3%
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[71][D]	RCRA Designation: Haz RCRA Designation: n/a RCRA Designation: n/a RCRA Designation: n/a
8.[71][E]	Daughter Drum No.: 88714 Daughter Drum No.: n/a Daughter Drum No.: n/a Daughter Drum No.: n/a
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 294110
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 5 cups
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

A. SUMMARY:

13.1[1]	Performed By: <u>Ron Rodriguez</u>	<u>[Signature]</u>	1307230	4/1/11
	Supervisor (Print)	Signature	Z #	Date
13.1[3]	Reviewed By: <u>Chris Senter</u>	<u>[Signature]</u>	0764451	4/1/11
	Supervision (Print)	Signature	Z #	Date
13.1[2][C]	Reviewed By: <u>Robert L. Gibbs</u>	<u>[Signature]</u>	1130752	4/1/11
	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 Jallard</u>	<u>[Signature]</u>	124417	4/20/11
	SQM or designee (print)	Signature	Z #	Date

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**CONTAINERID: 88712**

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 Exclud ed</u>
88712	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0786	NDA	Complete	2011-04-25
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88712	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>
88712	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88712
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 166.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 129.9 _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88712

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid, plastic bag

Solidified material (sludge), absorbent

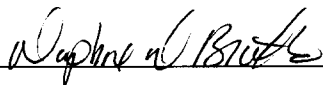
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	127.9
Soils (S):	
Total WMP Weight:	129.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88712

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>4-18-11</u>	
	8.[5]	Parent Drum No.:	<u>5822103</u>	
	9.[14]	Daughter Drum No.:	<u>88712</u>	

061

TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): D007 D008 D009 Fuel
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): Good
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: 032275 Cal. Expiration Date: 6-11-11 Range in ft-lb: 10-80 Tolerance: +/- 3%
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[71][D]	RCRA Designation: 142 RCRA Designation: n/a RCRA Designation: n/a RCRA Designation: n/a
8.[71][E]	Daughter Drum No.: 88712 Daughter Drum No.: n/a Daughter Drum No.: n/a Daughter Drum No.: n/a
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 0
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 2 cups
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid can be in at least two pieces and placed into the daughter drum with other decontamination materials.

Comments:

n/c

5822103

IPC-1	{	8.[81]	Performed By:	B. Rodriguez	Signature	10/20/11	Date
			Operator (Print)				
IPC-1	{	8.[83]	Reviewed By:	Chris S. Miller	Signature	11/16/11	Date
			Supervision (Print)				
		13.1[2][C]	Reviewed By:	Robert G. Miller	Signature	11/30/11	Date
			CSE (print)				
		13.1[2][E]	Acceptance criteria satisfied:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
		13.1[2][H]	Reviewed By:	Louis Jalbert	Signature	12/14/11	Date
			SOM or designee (print)				

062



Monday, May 16, 2011

CONTAINERID: 88709

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 Exclud ed</u>
88709	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0786	NDA	Complete	2011-04-25
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88709	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>
88709	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88709
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 176.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 139.9 _____ 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:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88709

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	137.9
Soils (S):	
Total WMP Weight:	139.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88709

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers	<i>Daphne Brothers</i>	4/25/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	6/18/11	
	8.[5]	Parent Drum No.:	5822091	
	9.[14]	Daughter Drum No.:	88709	

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): 0001 0008 0009 0001
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): Good
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: 032275 Cal. Expiration Date: 6-11-11 Range in ft-lb: 10-80 Tolerance: +3%
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[71][D]	RCRA Designation: 142 RCRA Designation: n/a RCRA Designation: n/a RCRA Designation: n/a
8.[71][E]	Daughter Drum No.: 88709 Daughter Drum No.: n/a Daughter Drum No.: n/a Daughter Drum No.: n/a
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 2 gallon
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 5 cups
8.[78]	<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

5822091419-n

IPC-1	8.[81]	Performed By: <u>Ben Rodriguez</u>	<u>1026</u>	<u>12323014-18-11</u>
		Operator (Print)	Signature	Z # Date
IPC-1	8.[83]	Reviewed By: <u>Chris Sanchez</u>	<u>Chris Sanchez</u>	<u>1176445 4/18/11</u>
		Supervision (Print)	Signature	Z # Date
	13.1[2][C]	Reviewed By: <u>Robert L. Griffith</u>	<u>Robert L. Griffith</u>	<u>11303561 4-18-11</u>
		CSE (print)	Signature	Z # Date
	13.1[2][H]	Accepted criteria satisfied: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
	13.1[2][H]	Reviewed By: <u>Louis Jalbana</u>	<u>Louis Jalbana</u>	<u>1176445 4-20-11</u>
		SOM or designee (print)	Signature	Z # Date

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Monday, May 16, 2011

CONTAINERID: 88692

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 Exclud ed</u>
88692	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1384	NDA	Complete	2011-04-16
LA-RTR2-11-0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88692	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>
88692	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88692
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 187.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 151.4 _____ 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: 88692

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding

Plastic bag, cut up liner lid

Absorbent, solidified material (sludge)

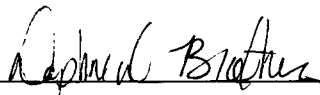
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	150.0
Soils (S):	
Total WMP Weight:	151.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88692

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/16/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

4.2[8][A] (S) No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR
Process Area (SR 4.7.3) ☒ SAT ☐ UNSAT

(S) No metal WASTE CONTAINERS ≤ 7 ft from SSSR
Process Area (SR 4.7.4) ☒ SAT ☐ UNSAT

4.2[8][B] (S) Boundaries of the SSSR Process Area are defined (SR 4.7.1) ☒ SAT ☐ UNSAT

4.2[8][C] (S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal. (SR 4.7.5) ☒ SAT ☐ UNSAT

IPC-1

4.2[8][D] (S) The following requirements are met:
(AC 5.6 & 5.7) (SL 4-11-043):

- Drums are 55 gal or larger for collection ☒ SAT ☐ UNSAT
- Each drum is 200 FGE ☒ SAT ☐ UNSAT
- Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
- Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT

4.2[8][E] (S) No flammable liquids are stored within the SSSR Process Area Boundaries (SR 4.7.6) ☒ SAT ☐ UNSAT ☐ N/A

IPC-1

8.1[8] Date:
8.1[5] Parent Drum No.:
9.1[4] Daughter Drum No.:

4-14-11
4820090
88692

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ATTACHMENT 3

Page 2 of 2

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>DEC7, DEC8, DEC9, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input type="checkbox"/> <u>Not applicable</u> <input type="checkbox"/> <u>Not applicable</u>
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>C32275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-20</u> Tolerance: <u>+/- 3%</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input type="checkbox"/> <u>Not applicable</u> <input type="checkbox"/> <u>Not applicable</u>
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>DEC</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>N/A</u>
8.[71][E]	Daughter Drum No.: <u>818692</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>one can</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>16 cups</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

[Signature]
Operator

[Signature]
Inspector

[Signature]
CSF (print)

[Signature]
SOM (print)

030

**CONTAINERID: 88690**

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 Exclud ed</u>
88690	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0781	NDA	Complete	2011-04-16
LA-RTR2-11-0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88690	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>
88690	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88690
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 197.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 161.4 _____ 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: 88690

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

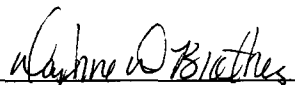
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	160.0
Soils (S):	
Total WMP Weight:	161.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88690

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/16/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1 4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
	• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	• Each drum is \leq 200 PGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1 8.[18]	Date:	4-14-11	
8.[5]	Parent Drum No.:	5794265	
9.[14]	Daughter Drum No.:	88690	

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ATTACHMENT 3

Page 2 of 2

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D001, D003, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>None</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>C32275</u> Cal. Expiration Date: <u>6/1/11</u> Range in ft-lb: <u>10-50</u> Tolerance: <u>+3%</u>
8.[33]	<input type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>380 HAZ</u> RCRA Designation: <u>1/1</u> RCRA Designation: <u>HA</u> RCRA Designation: <u>1/1</u>
8.[71][E]	1. <u>88690</u> Daughter Drum No. <u>1/1</u> 2. <u>HA</u> Daughter Drum No. <u>1/1</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 bags</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

8.1.1.1 [2] Date: 11/16/10 Operator (Print): Thomas R. [Signature] Signature: [Signature] Z# 23425

8.1.1.2 [2] Reviewed By: T. WEIER Supervision (Print): [Signature] Signature: [Signature] Z# 25701

8.1.1.2 [2] [C] Reviewed By: [Signature] CSE (print): [Signature] Signature: [Signature] Z# 10000

8.1.1.2 [2] [H] Reviewed By: Louis Valbert Signature: [Signature] Z# 64425

004



Monday, May 16, 2011

CONTAINERID: 88682

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 Exclud ed</u>
88682	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0781	NDA	Complete	2011-04-16
LA-RTR2-11- 0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88682	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>
88682	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88682
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88682

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

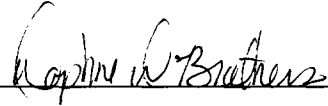
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	137.1
Soils (S):	
Total WMP Weight:	140.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88682

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/16/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-14-11	
	8.[5]	Parent Drum No.:	S 850 043	
	9.[14]	Daughter Drum No.:	88682	

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>0007 0008 0009 Feol</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88682</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gallon</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>3 cups</u>
8.[78]	<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/c5850043 2477 4-15-11

IPC-1 | 8.[81] Performed By: Benzodriguez [Signature] 12023014-14-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: T. WEIGEL [Signature] 22761714-14-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffiths [Signature] 11303214-15-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Valbert [Signature] 1121447 4-18-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88678**

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 Exclud ed</u>
88678	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1384	NDA	Complete	2011-04-16
LA-RTR2-11- 0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88678	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>
88678	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88678
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 198.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 162.4 _____ 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: 88678

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	161.1
Soils (S):	
Total WMP Weight:	162.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88678

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: <u>N/A</u>		
RTR Operator:		
<u>Daphne Brothers</u>	<u><i>Daphne Brothers</i></u>	<u>7/2/11</u>
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only 2 single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	SR 4-14-11 5994270 4-14-11	
	8.[5]	Parent Drum No.:	5994270	
	9.[14]	Daughter Drum No.:	88678	

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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>10-8</u> Tolerance: <u>+/- 3%</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>H22</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u>
8.[71][E]	Daughter Drum No.: <u>88678</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of <u>1 gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 cups</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Continued

IPC-1	8.[81]	Reviewed By: <u>Ben Rodriguez</u>	<u>10/12/11</u>	<u>4-14-11</u>
		Operator (print)	Signature	Date
IPC-1	8.[83]	Reviewed By: <u>Tim W. Galt</u>	<u>10/12/11</u>	<u>4-14-11</u>
		Supervisor (print)	Signature	Date
	13.1[20]	Reviewed By: <u>[Signature]</u>	<u>10/12/11</u>	<u>4-14-11</u>
		CSE (print)	Signature	Date
	13.1[21]	Acceptance of trade confirmation	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
	13.1[21]	Reviewed By: <u>Louis J. Albert</u>	<u>10/12/11</u>	<u>4-18-11</u>
		SOM or Contractor (print)	Signature	Date

006

**CONTAINERID: 88674**

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 Exclud ed</u>
88674	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1384	NDA	Complete	2011-04-16
LA-RTR2-11-0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88674	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>
88674	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88674
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 183.0 _____ 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:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88674

Section 3: Container Inventory and Comments (Detailed descriptions)

Plastic bag

Absorbent, solidified material (sludge)


Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	146.6
Soils (S):	
Total WMP Weight:	146.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88674

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: <u>N/A</u>		
RTR Operator:		
<u>Daphne Brothers</u>	<u></u>	<u>4/16/11</u>
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

4.3[8][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[8][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT

4.3[8][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[8][D] (CS) (\$ The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):

- Drums are 55 gal. or larger for remediation ☒ SAT ☐ UNSAT
- Each drum is \leq 200 FGE ☒ SAT ☐ UNSAT
- Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
- Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT

4.3[9] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A

8.[18] Date: 4-14-11
8.[5] Parent Drum No.: S 816 079
9.[14] Daughter Drum No.: 88674

053

ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): D007 D008 D009 F001
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): Good
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains no internal polythene. <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: 032275 Cal. Expiration Date: 06-11-11 Range in ft-lb: 10-80 Tolerance: $\pm 3\%$
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque wrench for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[71][D]	RCRA Designation: n/a RCRA Designation: n/a EPA Designation: n/a EPA Designation: n/a
8.[71][E]	Daughter Drum No.: 88674 Daughter Drum No.: n/a Daughter Drum No.: n/a Daughter Drum No.: n/a
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 0
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 1
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comment:

n/a

1816079

IPC-1	8.[81]	Performed By:	<u>Ben [Signature]</u>	<u>10/14/11</u>	Signature	Z #	Date
		Operator (print)					
IPC-1	8.[83]	Reviewed By:	<u>TIN [Signature]</u>	<u>10/14/11</u>	Signature	Z #	Date
		Supervisor (print)					
	13.1[2][C]	Reviewed By:	<u>[Signature]</u>	<u>10/14/11</u>	Signature	Z #	Date
		CSE (print)					
	13.1[2][E]	Acceptance criteria satisfied:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				
	13.1[2][H]	Reviewed By:	<u>Louis [Signature]</u>	<u>10/14/11</u>	Signature	Z #	Date
		SOM or designer (print)					

054

**CONTAINERID: 88672**

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 Exclud ed</u>
88672	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0781	NDA	Complete	2011-04-16
LA-RTR2-11- 0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88672	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>
88672	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88672
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 163.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 126.9 _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88672

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring, scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

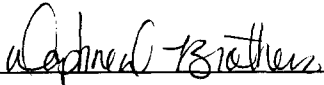
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	123.5
Soils (S):	
Total WMP Weight:	126.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88672

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/16/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-14-11	
	8.[5]	Parent Drum No.:	5860350	
	9.[14]	Daughter Drum No.:	88672	

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): Dos 7 Dos 8 Dos 9 Foal
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): Good
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: 038275 Cal. Expiration Date: 6-11-11 Range in ft-lb: 10-80 Tolerance: +- 3%
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[71][D]	RCRA Designation: Haz RCRA Designation: n/a RCRA Designation: n/a RCRA Designation: n/a
8.[71][E]	Daughter Drum No.: 88672 Daughter Drum No.: n/a Daughter Drum No.: n/a Daughter Drum No.: n/a
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 0
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 1
8.[78]	<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 8860352 F-11

IPC-1 8.[81] Performed By: Brent L. Giffis IBRS 1801230 5-14-11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: T. WEIGEL Implied 22761714 4-14-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Giffis Robert L. Giffis 1801230 5-14-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Jallbert Louis Jallbert 112442 4-18-11
SOM or designer (print) Signature Z# Date

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**CONTAINERID: 88662**

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 Exclud ed</u>
88662	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1383	NDA	Complete	2011-04-15
LA-RTR2-11-0033	RTR	Complete	2011-04-15

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88662	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>
88662	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:	LANL
Batch Number:	LA-RTR2-11-0033
Examination Date:	04/15/2011
Waste Container ID:	88662
Video/Audio Recorded Media Number:	LA-RTR2-11-0033 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 185.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 149.4 _____ 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: 88662

Section 3: Container Inventory and Comments (Detailed descriptions)
Metal banding
Plastic bag, cut up liner lid
Absorbent, 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	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	148.0
Soils (S):	
Total WMP Weight:	149.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88662

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: <u>N/A</u>		
RTR Operator:		
<u>Daphne Brothers</u>	<u>Daphne Brothers</u>	<u>4/15/11</u>
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>4-13-11</u>	
	8.[5]	Parent Drum No.:	<u>5815069</u>	
	9.[14]	Daughter Drum No.:	<u>88662</u>	

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UET

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>DOO7, DOO8, DOO9, TALL</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes - Rigid liner contains an internal pipe system <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MPT No. <u>072275</u> Calibration Date: <u>6/11/12</u> Range in ft-lb: <u>0-80</u> Torque value: <u>4-3</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibration range.
8.[35]	<input checked="" type="checkbox"/> Torque wrenching device fastened to the drum. Record actual torque value: <u>12</u> ft-lb.
8.[65]	<input checked="" type="checkbox"/> Torque wrenching device fastened to the drum. Record actual torque value: _____ ft-lb.
8.[71][D]	RCRA Designation: <u>HAE</u> RCRA Designation: _____ RCRA Designation: <u>N/A</u> RCRA Designation: _____
8.[71][E]	Daughter Drum No.: <u>88662</u> Daughter Drum No.: _____ Daughter Drum No.: <u>N/A</u> Daughter Drum No.: _____
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 Gall.</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 bags</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner has been at least two phases sampled into the daughter drum (if other decomposition or materials)

[illegible]

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**CONTAINERID: 88649**

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 Exclud ed</u>
88649	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0780	NDA	Complete	2011-04-15
LA-RTR2-11-0033	RTR	Complete	2011-04-15

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88649	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>
88649	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:	LANL
Batch Number:	LA-RTR2-11-0033
Examination Date:	04/15/2011
Waste Container ID:	88649
Video/Audio Recorded Media Number:	LA-RTR2-11-0033 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 179.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 142.9 _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88649

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal, metal closure ring

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

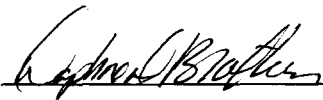
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	139.5
Soils (S):	
Total WMP Weight:	142.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88649

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/15/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

- 4.3[8][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[8][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[8][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[8][D] (CS) (\$ The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):
- Drums are 55 gal. or larger for remediation ☒ SAT ☐ UNSAT
 - Each drum is \leq 200 FGE ☒ SAT ☐ UNSAT
 - Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
 - Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT
- 4.3[9] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[18] Date: 4-13-11
- 8.[5] Parent Drum No.: 5850546
- 9.[14] Daughter Drum No.: 88649

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ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88649</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input type="checkbox"/> Total amount of liquid found: <u>1 Gall</u>
8.[75]	<input type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
8.[78]	<input type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

N/C 5852546 4-14-11

IPC-1

8.[81]	Performed By: <u>Timmy Romero</u> <u>[Signature]</u> <u>734253</u> <u>4-13-11</u> Operator (Print) Signature Z# Date
8.[83]	Reviewed By: <u>Jack Cassel</u> <u>[Signature]</u> <u>234252</u> <u>4-13-11</u> Supervision (Print) Signature Z# Date
13.1[2][C]	Reviewed By: <u>Robert L. Griffith</u> <u>[Signature]</u> <u>1130352</u> <u>4-14-11</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>121447</u> <u>4-14-11</u> SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88647**

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 Exclud ed</u>
88647	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0780	NDA	Complete	2011-04-15
LA-RTR2-11- 0033	RTR	Complete	2011-04-15

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88647	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>
88647	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:	LANL
Batch Number:	LA-RTR2-11-0033
Examination Date:	04/15/2011
Waste Container ID:	88647
Video/Audio Recorded Media Number:	LA-RTR2-11-0033 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 173.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 136.9 _____ 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:	_____ 75 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88647

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

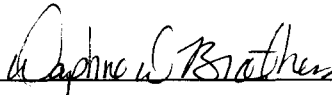
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	13.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	121.9
Soils (S):	
Total WMP Weight:	136.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88647

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/15/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>4-13-11</u>	
	8.[5]	Parent Drum No.:	<u>5850373</u>	
	9.[14]	Daughter Drum No.:	<u>88647</u>	

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D001, D002, D003, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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>10-86</u> Tolerance: <u>+3.8</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>17 ft-lb</u>
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12 ft-lb</u>
8.[71][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.[71][E]	Daughter Drum No.: <u>28647</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 Gall</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

8.[81] Performed By: Timmy Romero Signature: [Signature] Z# 234253 Date: 4-13-11
Operator (Print)

8.[83] Reviewed By: Jonk Chavez Signature: [Signature] Z# 234252 Date: 4-13-11
Supervision (Print)

13.1[2][C] Reviewed By: Robert L. Galt Signature: [Signature] Z# 1130352 Date: 4-13-11
CSE (print)

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

13.1[2][H] Reviewed By: Chris J. Baker Signature: [Signature] Z# 12447 Date: 4-14-11
SOM or designer (print)

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**CONTAINERID: 88640**

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 Exclud ed</u>
88640	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0780	NDA	Complete	2011-04-15
LA-RTR2-11- 0032	RTR	Complete	2011-04-14

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88640	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>
88640	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:	LANL
Batch Number:	LA-RTR2-11-0032
Examination Date:	04/14/2011
Waste Container ID:	88640
Video/Audio Recorded Media Number:	LA-RTR2-11-0032 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 180.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 144.4 _____ 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: 88640

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Cut up liner lid

Absorbent, solidified material (sludge)

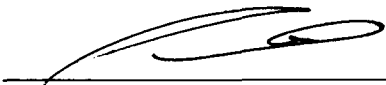
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	1.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	142.4
Soils (S):	
Total WMP Weight:	144.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88640

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Philip Dillard		4/14/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 PGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	2/4/11 4/12/11	
	8.[5]	Parent Drum No.:	5850330	
	9.[14]	Daughter Drum No.:	88640	

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ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks):
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12 ft-lb</u>
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12 ft-lb</u>
8.[71][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.[71][E]	Daughter Drum No.: <u>88640</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

5850330 ²⁸⁴ 4-13-11IPC-1
IPC-1

8.[81]	Performed By: <u>John P. Richer</u>	<u>[Signature]</u>	<u>11466591</u>	<u>4/12/11</u>
	Operator (Print)	Signature	Z#	Date
8.[83]	Reviewed By: <u>Chris Sanchez</u>	<u>[Signature]</u>	<u>1724457</u>	<u>2/12/11</u>
	Supervision (Print)	Signature	Z#	Date
13.1[2][C]	Reviewed By: <u>Robert L. Gibbs</u>	<u>[Signature]</u>	<u>1130356</u>	<u>4-13-11</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>Glad M. Walsh</u>	<u>[Signature]</u>	<u>11466591</u>	<u>4-13-11</u>
	SOM or designee (print)	Signature	Z#	Date

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Monday, May 16, 2011

CONTAINERID: 88636

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 Exclud ed</u>
88636	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0780	NDA	Complete	2011-04-15
LA-RTR2-11- 0032	RTR	Complete	2011-04-14

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88636	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>
88636	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:	LANL
Batch Number:	LA-RTR2-11-0032
Examination Date:	04/14/2011
Waste Container ID:	88636
Video/Audio Recorded Media Number:	LA-RTR2-11-0032 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88636


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

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	140.1
Soils (S):	
Total WMP Weight:	141.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88636

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Philip Dillard		4/14/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 PGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-12-11	
	8.[5]	Parent Drum No.:	5850017	
	9.[14]	Daughter Drum No.:	886326 K02	

5/3/2011

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>N/A</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>NA</u> RCRA Designation: <u>NA</u> RCRA Designation: <u>NA</u>
8.[71][E]	Daughter Drum No.: <u>55636</u> Daughter Drum No.: <u>NA</u> Daughter Drum No.: <u>NA</u> Daughter Drum No.: <u>NA</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2</u>
8.[78]	<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 5850017 2-11 4-13-11

IPC-1	8.[81]	Performed By: <u>John P. H. ...</u>	<u>11/6659</u>	<u>4/12/11</u>
		Operator (Print)	Signature	Z# Date
IPC-1	8.[83]	Reviewed By: <u>Chen S. ...</u>	<u>1176449</u>	<u>4/12/11</u>
		Supervision (Print)	Signature	Z# Date
	13.1[2][C]	Reviewed By: <u>Robert L. G. ...</u>	<u>1130396</u>	<u>4-13-11</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>Chen M. ...</u>	<u>1176449</u>	<u>4-13-11</u>
		SOM or designee (print)	Signature	Z# Date

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**CONTAINERID: 88632**

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 Exclud ed</u>
88632	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0780	NDA	Complete	2011-04-15
LA-RTR2-11-0032	RTR	Complete	2011-04-14

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88632	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>
88632	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:	LANL
Batch Number:	LA-RTR2-11-0032
Examination Date:	04/14/2011
Waste Container ID:	88632
Video/Audio Recorded Media Number:	LA-RTR2-11-0032 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 213.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 176.9 _____ 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: 88632

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid

Absorbent, 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	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	175.9
Soils (S):	
Total WMP Weight:	176.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88632

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Philip Dillard		4/14/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4/12/11	
	8.[5]	Parent Drum No.:	5806586	
	9.[14]	Daughter Drum No.:	88632	

0189

ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks):
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&B No.: <u>032275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>±1-3%</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88632</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5</u>
8.[78]	<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

5800586 219
4-13-11

IPC-1

8.[81]

Performed By:

John Puchea
(Operator (Print))

Signature

1116659 4/12/11
Z# Date

IPC-1

8.[83]

Reviewed By:

John Sanchez
Supervision (Print)

Signature

1116445 4-12-11
Z# Date

13.1[2][C]

Reviewed By:

Robert L. Griffin
CSE (print)

Signature

1132396 4-13-11
Z# Date

13.1[2][E]

Acceptance criteria satisfied:

Gail M. Walsh
SOM or designee (print)

Signature

☒ YES ☐ NO

13.1[2][H]

Reviewed By:

Gail M. Walsh
SOM or designee (print)

Signature

11544 4-13-11
Z# Date

020

**CONTAINERID: 88629**

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 Exclud ed</u>
88629	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0780	NDA	Complete	2011-04-15
LA-RTR2-11-0032	RTR	Complete	2011-04-14

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88629	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>
88629	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:	LANL
Batch Number:	LA-RTR2-11-0032
Examination Date:	04/14/2011
Waste Container ID:	88629
Video/Audio Recorded Media Number:	LA-RTR2-11-0032 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 159.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 122.9 _____ 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 _____ %

Page 2 of 3

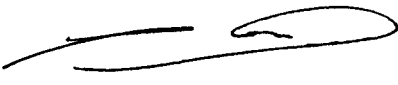
Section 3: Container Inventory and Comments (Detailed descriptions)	
	<p>Metal closure ring, metal banding material, scrap metal</p> <p>Cut up liner lids, plastic bag</p> <p>Absorbent, solidified material (sludge)</p>

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Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88629

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Philip Dillard		4/14/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043): <ul style="list-style-type: none">• Drums are 55 gal. or larger for remediation• Each drum is \leq 200 PGE• Only one parent drum remediated at one time• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT <input checked="" type="checkbox"/> SAT <input checked="" type="checkbox"/> SAT <input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> UNSAT <input type="checkbox"/> UNSAT <input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>4-12-11</u>	
	8.[5]	Parent Drum No.:	<u>5850328</u>	
	9.[14]	Daughter Drum No.:	<u>88629</u>	

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks):
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12 ft-lb</u>
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12 ft-lb</u>
8.[71][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.[71][E]	Daughter Drum No.: <u>55629</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>1</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid out into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

n/c 5850328 214 4-13-11

IPC-1	8.[81]	Performed By:	<u>John Rube</u>	<u>[Signature]</u>	<u>1166591</u>	<u>4/12/11</u>
			Operator (Print)	Signature	Z#	Date
IPC-1	8.[83]	Reviewed By:	<u>[Signature]</u>	<u>[Signature]</u>	<u>1704415</u>	<u>4-12-11</u>
			Supervision (Print)	Signature	Z#	Date
	13.1[2][C]	Reviewed By:	<u>Robert L. Griffiths</u>	<u>[Signature]</u>	<u>1132556</u>	<u>4-13-11</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>[Signature]</u>	<u>[Signature]</u>	<u>1148449</u>	<u>4-12-11</u>
			SOM or designee (print)	Signature	Z#	Date

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**CONTAINERID: 88626**

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 Exclud ed</u>
88626	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0780	NDA	Complete	2011-04-15
LA-RTR2-11-0032	RTR	Complete	2011-04-14

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88626	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>
88626	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:	LANL
Batch Number:	LA-RTR2-11-0032
Examination Date:	04/14/2011
Waste Container ID:	88626
Video/Audio Recorded Media Number:	LA-RTR2-11-0032 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 223.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 186.9 _____ 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: 88626

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid

Absorbent, solidified material (sludge)

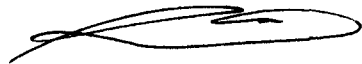
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	185.9
Soils (S):	
Total WMP Weight:	186.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88626

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Philip Dillard		4/14/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>4-12-11</u>	
	8.[5]	Parent Drum No.:	<u>5800533</u>	
	9.[14]	Daughter Drum No.:	<u>88624</u>	

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ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>None</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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>4-3-2</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88626</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 Gal.</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>16 cups</u>
8.[78]	<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 5800533 214 4-13-11IPC-1
IPC-1

8.[81] Performed By: Timmy Romero Timmy 234253 4-12-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Alan Sanborn Alan S 1176445 4-12-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffiths Robert L. Griffiths 1130356 4-13-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Chad M. Welsh Chad M. Welsh 114844 4-13-11
SOM or designee (print) Signature Z# Date

018

**CONTAINERID: 88620**

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 Exclud ed</u>
88620	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0780	NDA	Complete	2011-04-15
LA-RTR2-11-0032	RTR	Complete	2011-04-14

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88620	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>
88620	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:	LANL
Batch Number:	LA-RTR2-11-0032
Examination Date:	04/14/2011
Waste Container ID:	88620
Video/Audio Recorded Media Number:	LA-RTR2-11-0032 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 195.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 159.4 _____ 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: 88620

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid

Absorbent, 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	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	158.4
Soils (S):	
Total WMP Weight:	159.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88620

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Philip Dillard		4/14/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-12-11	
	8.[5]	Parent Drum No.:	5800417	
	9.[14]	Daughter Drum No.:	88620	

007

ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88620</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 Gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
8.[78]	<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 5800417 2125 4-13-11

IPC-1

8.[81] Performed By: Timmy Romero Timmy Romero 734253 4-12-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Man Sanchez Man Sanchez 11303521 4-12-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Gifford Robert L. Gifford 11303521 4-13-11
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 4-13-11
SOM or designee (print) Signature Z# Date

008

**CONTAINERID: 88607**

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 Exclud ed</u>
88607	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0778	NDA	Complete	2011-04-13
LA-RTR2-11-0031	RTR	Complete	2011-04-13

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88607	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>
88607	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:	LANL
Batch Number:	LA-RTR2-11-0031
Examination Date:	04/13/2011
Waste Container ID:	88607
Video/Audio Recorded Media Number:	LA-RTR2-11-0031 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 200.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 163.9 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88607

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid

Absorbent, solidified material (sludge)

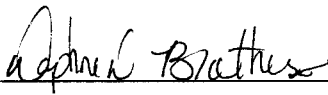
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	162.6
Soils (S):	
Total WMP Weight:	163.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88607

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/13/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

- 4.3[8][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[8][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT
- 4.3[8][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[8][D] (CS) (\$ The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):
- Drums are 55 gal or larger for remediation ☒ SAT ☐ UNSAT
 - Each drum is \leq 200 YGE ☒ SAT ☐ UNSAT
 - Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
 - Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT
- 4.3[9] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- IPC-1 8.[18] Date: 4-11-11
- 8.[5] Parent Drum No.: S 831556
- 9.[14] Daughter Drum No.: 88607, 88610 K02

5/3/2011

089

TA-54 Area G Sludge Remediation Activities

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

UET

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>Ha 2</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>Ha 2</u> RCRA Designation: <u>n/a</u>
8.[71][E]	Daughter Drum No.: <u>88607</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>88610</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 gallons</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>7 cups</u>
8.[78]	<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/c5831552

IPC-1

8.[81]

Performed By:

Ben Rodriguez

Operator (Print)

10012

Signature

12203014-11-11

Z# Date

8.[83]

Reviewed By:

Ran Sanchez

Supervision (Print)

10012

Signature

12203014-11-11

Z# Date

13.1[2][C]

Reviewed By:

Robert L. Griffiths

CSE (print)

10012

Signature

12203014-11-11

Z# Date

13.1[2][E]

Acceptance criteria satisfied:

☒ YES☐ NO

13.1[2][H]

Reviewed By:

Gail M. Welsh

SOM or designee (print)

Gail M. Welsh

Signature

12203014-11-11

Z# Date

090

**CONTAINERID: 88594**

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 Exclud ed</u>
88594	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1384	NDA	Complete	2011-04-16
LA-RTR2-11-0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88594	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>
88594	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88594
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 177.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 141.4 _____ 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: 88594

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

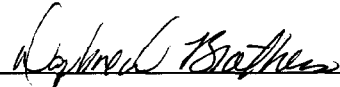
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	140.1
Soils (S):	
Total WMP Weight:	141.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88594

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/16/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-7-11	
	8.[5]	Parent Drum No.:	5831607	
	9.[14]	Daughter Drum No.:	88594	

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ATTACHMENT 3

Page 2 of 2

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88594</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 Gal.</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 cups</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

✓ 5831607 4-7-11

IPC-1 8.[81] Performed By: Timmy Romero 234253 4-7-11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: John Cassel 234252 4-7-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin 11303571 4-8-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail M. Weber 114844 4-11-11
SOM or designee (print) Signature Z# Date

092

**CONTAINERID: 88592**

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 Exclud ed</u>
88592	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1384	NDA	Complete	2011-04-16
LA-RTR2-11-0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88592	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>
88592	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88592
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 180.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 144.4 _____ 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: 88592

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid

Absorbent, 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	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	143.4
Soils (S):	
Total WMP Weight:	144.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88592

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: <u>N/A</u>		
RTR Operator:		
<u>Daphne Brothers</u>	<u><i>Daphne A. Brothers</i></u>	<u>4/14/11</u>
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 PGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-7-11	
	8.[5]	Parent Drum No.:	5831501	
	9.[14]	Daughter Drum No.:	88592	

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ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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 8</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88592</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>4 GAL.</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>10 CUPS</u>
8.[78]	<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 5831501 2-11 4-8-11

IPC-1

8.[81] Performed By: Timmy Romero TLR 234253 4-7-11
Operator (Print) Signature Z# Date

IPC-1

8.[83] Reviewed By: Don R Cassel Don R Cassel 2342521 4-7-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 11303821 4-8-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gw'm. Wosh Gw'm. Wosh 114844 4-11-11
SOM or designee (print) Signature Z# Date

086

**CONTAINERID: 88590**

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 Exclud ed</u>
88590	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1383	NDA	Complete	2011-04-15
LA-RTR2-11-0033	RTR	Complete	2011-04-15

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88590	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>
88590	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:	LANL
Batch Number:	LA-RTR2-11-0033
Examination Date:	04/15/2011
Waste Container ID:	88590
Video/Audio Recorded Media Number:	LA-RTR2-11-0033 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 209.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 173.4 _____ 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: 88590

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

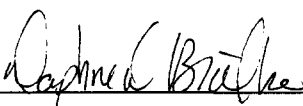
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	172.0
Soils (S):	
Total WMP Weight:	173.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88590

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/15/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

4.3[8][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[8][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT

4.3[8][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

IPC-1

4.3[8][D] (CS) (\$ The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):

- Drums are 55 gal. or larger for remediation ☒ SAT ☐ UNSAT
- Each drum is \leq 200 PGE ☒ SAT ☐ UNSAT
- Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
- Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT

4.3[9] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A

IPC-1

8.[18] Date:
8.[5] Parent Drum No.:
9.[14] Daughter Drum No.:

4-7-11
5814159
88590

041

TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88590</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 Gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>15 cups</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

IPC-1	8.[81]	Performed By: <u>Timmy Romero</u>	<u>Timmy Romero</u>	<u>734253</u>	<u>4-7-11</u>
		Operator (Print)	Signature	Z#	Date
IPC-1	8.[83]	Reviewed By: <u>T. W. Welsh</u>	<u>T. W. Welsh</u>	<u>82717</u>	<u>4-7-11</u>
		Supervision (Print)	Signature	Z#	Date
	13.1[2][C]	Reviewed By: <u>Robert L. Griffin</u>	<u>Robert L. Griffin</u>	<u>1130376</u>	<u>4-8-11</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>G. M. Welsh</u>	<u>G. M. Welsh</u>	<u>114844</u>	<u>4-11-11</u>
		SOM or designee (print)	Signature	Z#	Date

042



Monday, May 16, 2011

CONTAINERID: 88588

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 Exclud ed</u>
88588	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0781	NDA	Complete	2011-04-16
LA-RTR2-11-0033	RTR	Complete	2011-04-15

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88588	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>
88588	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:	LANL
Batch Number:	LA-RTR2-11-0033
Examination Date:	04/15/2011
Waste Container ID:	88588
Video/Audio Recorded Media Number:	LA-RTR2-11-0033 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 209.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 172.9 _____ 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: 88588

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

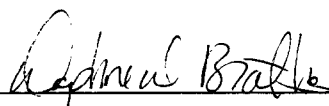
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	171.4
Soils (S):	
Total WMP Weight:	172.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88588

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)		Yes	No
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"/>	
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>	
CH or RH TRAMPAC			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Comments: N/A			
RTR Operator:			
Daphne Brothers		4/15/11	
Print Name	Signature	Date	

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

4.3[8][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[8][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT

4.3[8][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

IPC-1 4.3[8][D] (CS) (\$ The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):

- Drums are 55 gal. or larger for remediation ☒ SAT ☐ UNSAT
- Each drum is \leq 200 FGE ☒ SAT ☐ UNSAT
- Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
- Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT

4.3[9] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A

IPC-1 8.[18]
8.[5]
9.[14]

Date:

Parent Drum No.:

Daughter Drum No.:

4-7-11
5814182
88588

043

TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88588</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 Gal.</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
8.[78]	<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 5814182 2/29 4-8-11

IPC-1

8.[81]	Performed By: <u>Timmy Romero</u> <u>Timmy Romero</u> <u>234253</u> <u>4-7-11</u> Operator (Print) Signature Z# Date
8.[83]	Reviewed By: <u>T. WELSH</u> <u>T. Welsh</u> <u>2470171</u> <u>4-7-11</u> Supervision (Print) Signature Z# Date
13.1[2][C]	Reviewed By: <u>Robert L. Griffin</u> <u>Robert L. Griffin</u> <u>11303524</u> <u>4-8-11</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>G.M. Welsh</u> <u>G.M. Welsh</u> <u>1148441</u> <u>4-11-11</u> SOM or designee (print) Signature Z# Date

04-4

**CONTAINERID: 88586**

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 Exclud ed</u>
88586	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0781	NDA	Complete	2011-04-16
LA-RTR2-11-0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88586	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>
88586	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88586
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 199.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 163.4 _____ 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: 88586

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	162.0
Soils (S):	
Total WMP Weight:	163.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88586

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator: Daphne Brothers <i>Daphne Brothers</i> 4/16/11 Print Name Signature Date		

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-7-11	
	8.[5]	Parent Drum No.:	5815048	
	9.[14]	Daughter Drum No.:	88586	

049

TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

Page 2 of 2

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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 8</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88586</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 Gall</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 CUPS</u>
8.[78]	<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 5815048 2/29
4-8-11

IPC-1	8.[81]	Performed By: <u>TIMMY ROMERO</u> <u>234253</u> <u>4-7-11</u> Operator (Print) Signature Z# Date
IPC-1	8.[83]	Reviewed By: <u>T. WELSH</u> <u>234253</u> <u>4-7-11</u> Supervision (Print) Signature Z# Date
	13.1[2][C]	Reviewed By: <u>Robert L. Griffith</u> <u>1130361</u> <u>4-8-11</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 M. Welsh</u> <u>114849</u> <u>4-11-11</u> SOM or designee (print) Signature Z# Date

050

**CONTAINERID: 88579**

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 Exclud ed</u>
88579	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1384	NDA	Complete	2011-04-16
LA-RTR2-11-0033	RTR	Complete	2011-04-15

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88579	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>
88579	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:	LANL
Batch Number:	LA-RTR2-11-0033
Examination Date:	04/15/2011
Waste Container ID:	88579
Video/Audio Recorded Media Number:	LA-RTR2-11-0033 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 199.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 163.4 _____ 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: 88579

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)


Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	160.1
Soils (S):	
Total WMP Weight:	163.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88579

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/15/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

PC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
PC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is ≤ 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
PC-1	8.[18]	Date:	4-6-11	
	8.[5]	Parent Drum No.:	5841522	
	9.[14]	Daughter Drum No.:	88579	

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): D007 D008 D009 F001
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): GOOD
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: 032275 Cal. Expiration Date: 6-11-11 Range in ft-lb: 10-80 Tolerance: +/- 3%
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[71][D]	RCRA Designation: HAZ RCRA Designation: N/A RCRA Designation: N/A RCRA Designation: N/A
8.[71][E]	Daughter Drum No.: 88579 Daughter Drum No.: N/A Daughter Drum No.: N/A Daughter Drum No.: N/A
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 1 19 gallon
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 5 cups
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

NIC

5841522 2-11
4-7-11

IPC-1 8.[81] Performed By: Richard Atencio / Richard Atencio 1217395 / 4-6-11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: Onon Sanchez / Onon Sanchez 116445 / 4-6-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. G. / Robert L. G. 1130352 / 4-7-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Paul M. Welsh / Paul M. Welsh 114849 / 4-7-11
SOM or designee (print) Signature Z# Date

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Monday, May 16, 2011

CONTAINERID: 88577

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 Exclud ed</u>
88577	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 3 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1384	NDA	Complete	2011-04-16
LA-RTR2-11-0033	RTR	Complete	2011-04-15

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88577	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>
88577	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:	LANL
Batch Number:	LA-RTR2-11-0033
Examination Date:	04/15/2011
Waste Container ID:	88577
Video/Audio Recorded Media Number:	LA-RTR2-11-0033 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 232.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 196.4 _____ 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: 88577

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring, scrap metal

Cut up liner lid

Absorbent, 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	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	193.3
Soils (S):	
Total WMP Weight:	196.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88577

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/15/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 PGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-6-11	
	8.[5]	Parent Drum No.:	588 0939	
	9.[14]	Daughter Drum No.:	688 5575 88577 4-6-11	

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): 0007 0008 0009 0001
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): Good
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: 032275 Cal. Expiration Date: 6-11-11 Range in ft-lb: 10-60 Tolerance: +/- 3%
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[71][D]	RCRA Designation: Haz RCRA Designation: n/a RCRA Designation: n/a RCRA Designation: n/a
8.[71][E]	Daughter Drum No.: 88577 Daughter Drum No.: n/a Daughter Drum No.: n/a Daughter Drum No.: n/a
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 1 gallon
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 9 cubes
8.[78]	<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 5880939 2/11
4-7-11

IPC-1 8.[81] Performed By: Ben Robinson 1050K 10272301 4-6-11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: Omar Sanchez 1050K 11264457 4-6-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffith 1050K 11303521 4-7-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gary M. Welsh 1050K 114844 4-7-11
SOM or designee (print) Signature Z# Date

204

**CONTAINERID: 88575**

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 Exclud ed</u>
88575	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 3 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1383	NDA	Complete	2011-04-15
LA-RTR2-11- 0033	RTR	Complete	2011-04-15

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88575	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>
88575	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:	LANL
Batch Number:	LA-RTR2-11-0033
Examination Date:	04/15/2011
Waste Container ID:	88575
Video/Audio Recorded Media Number:	LA-RTR2-11-0033 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 183.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 147.4 _____ 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: 88575

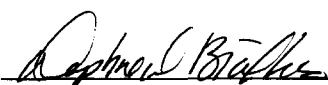
Section 3: Container Inventory and Comments (Detailed descriptions)
Metal closure ring, scrap metal
Cut up liner lid, plastic bag
Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	144.0
Soils (S):	
Total WMP Weight:	147.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88575

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/15/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is ≤ 200 PGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>4-6-11</u>	
	8.[5]	Parent Drum No.:	<u>5881095</u>	
	9.[14]	Daughter Drum No.:	<u>88575</u>	

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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>10-50</u> Tolerance: <u>+/- 3%</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>H02</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u>
8.[71][E]	Daughter Drum No.: <u>88575</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gallons</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 cups</u>
8.[78]	<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 5881095 218
4-7-11

IPC-1 8.[81] Performed By: Ben Rodriguez 1822 4072301 4-6-11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: Chas Sanchez 174157 4-6-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Grifone 174157 4-7-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Chad M. Welch 114819 4-7-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88565**

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 Exclud ed</u>
88565	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 3 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0781	NDA	Complete	2011-04-16
LA-RTR2-11- 0033	RTR	Complete	2011-04-15

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88565	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>
88565	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:	LANL
Batch Number:	LA-RTR2-11-0033
Examination Date:	04/15/2011
Waste Container ID:	88565
Video/Audio Recorded Media Number:	LA-RTR2-11-0033 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 186.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 150.4 _____ 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: 88565

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring, scrap metal

Cut up liner lid

Absorbent, solidified material (sludge)

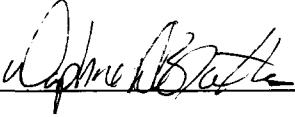
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	147.3
Soils (S):	
Total WMP Weight:	150.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88565

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/15/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is ≤ 200 PGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-6-11	
	8.[5]	Parent Drum No.:	5902597	
	9.[14]	Daughter Drum No.:	88565	

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ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): 0007 0008 0009
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): Good
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: 032275 Cal. Expiration Date: 032275 Range in ft-lb: 10-80 Tolerance: + - 3%
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[71][D]	RCRA Designation: HAZ RCRA Designation: N/A RCRA Designation: N/A RCRA Designation: N/A
8.[71][E]	Daughter Drum No.: 88565 Daughter Drum No.: N/A Daughter Drum No.: N/A Daughter Drum No.: N/A
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 0
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 2 cups
8.[78]	<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 5902597

IPC-1

8.[81] Performed By: Gen Rodriguez 10205 12372801 4/6/11
Operator (Print) Signature Z# Date

IPC-1

8.[83] Reviewed By: Owen Sanchez 11761451 4-6-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffith 11308826 4-7-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail M. Walsh 114819 4-7-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88559**

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 Exclud ed</u>
88559	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0781	NDA	Complete	2011-04-16
LA-RTR2-11-0033	RTR	Complete	2011-04-15

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88559	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>
88559	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:	LANL
Batch Number:	LA-RTR2-11-0033
Examination Date:	04/15/2011
Waste Container ID:	88559
Video/Audio Recorded Media Number:	LA-RTR2-11-0033 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 172.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 136.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88559

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Cut up liner lid

Absorbent, 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	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	135.2
Soils (S):	
Total WMP Weight:	136.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88559

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: <u>N/A</u>		
RTR Operator:		
<u>Daphne Brothers</u>	<u><i>Daphne Brothers</i></u>	<u>4/15/11</u>
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-6-11	
	8.[5]	Parent Drum No.:	5825101	
	9.[14]	Daughter Drum No.:	88559	

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ATTACHMENT 3

Page 2 of 2

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D00 7 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88559</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gallons</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>10 cups</u>
8.[78]	<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/a5825101 27-11

IPC-1

8.[81]

Performed By:

Ben Rodriguez
Operator (Print)

Signature

[Signature]127280 4/6/11

Z# Date

IPC-1

8.[83]

Reviewed By:

Oran Sanchez
Supervision (Print)

Signature

[Signature]1176487 4-6-11

Z# Date

13.1[2][C]

Reviewed By:

Robert L. Griffith
CSE (print)

Signature

[Signature]1303561 4-7-11

Z# Date

13.1[2][E]

Acceptance criteria satisfied:

☒ YES☐ NO

13.1[2][H]

Reviewed By:

Gail M. Walsh
SOM or designee (print)

Signature

[Signature]114844 4-7-11

Z# Date

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Monday, May 16, 2011

CONTAINERID: 88544

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 Exclud ed</u>
88544	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0790	NDA	Complete	2011-04-29
LA-RTR2-11- 0039	RTR	Complete	2011-04-26

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88544	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>
88544	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:	LANL
Batch Number:	LA-RTR2-11-0039
Examination Date:	04/26/2011
Waste Container ID:	88544
Video/Audio Recorded Media Number:	LA-RTR2-11-0039 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 196.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 159.9 _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88544

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Liner lid

Absorbent, 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	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	156.4
Soils (S):	
Total WMP Weight:	159.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88544

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block.)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Eric Lyles		4/26/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

	4.3[8][A]	(S) No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is ≤ 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4/5/11	
	8.[5]	Parent Drum No.:	5 850509	
	9.[14]	Daughter Drum No.:	88544	

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ATTACHMENT 3

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5850509217
4-6-11

IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>none</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>58544</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>3</u>
8.[78]	<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/AIPC-1
IPC-1

8.[81] Performed By: John Perchec [Signature] 11/6657 4/5/11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Alan Sanchez [Signature] 1176445 4/5/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin [Signature] 1130351 4-6-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail M. Wild [Signature] 1148494 4-6-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88540**

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 Exclud ed</u>
88540	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 3 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0789	NDA	Complete	2011-04-28
LA-RTR2-11-0039	RTR	Complete	2011-04-26

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88540	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>
88540	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:	LANL
Batch Number:	LA-RTR2-11-0039
Examination Date:	04/26/2011
Waste Container ID:	88540
Video/Audio Recorded Media Number:	LA-RTR2-11-0039 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 209.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 173.4 _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88540

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring, scrap metal

Liner lid

Absorbent, solidified material (sludge)

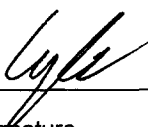
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	169.8
Soils (S):	
Total WMP Weight:	173.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88540

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Eric Lyles		4/26/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is ≤ 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4/5/11	
	8.[5]	Parent Drum No.:	3881094	
	9.[14]	Daughter Drum No.:	88540	

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5881094 227
4-6-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>None</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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>±1-3%</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>H/A</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u> RCRA Designation: <u>n/a</u>
8.[71][E]	Daughter Drum No.: <u>88540</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2</u>
8.[78]	<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

IPC-1 | 8.[81] Performed By: John Puchess [Signature] 1116659 4/5/11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Alan Sanchez [Signature] 1176487 4/5/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Giffis [Signature] 1130356 4-6-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail M. Wilch [Signature] 114849 4-6-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88535**

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 Exclud ed</u>
88535	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0790	NDA	Complete	2011-04-29
LA-RTR2-11-0039	RTR	Complete	2011-04-26

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88535	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>
88535	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:	LANL
Batch Number:	LA-RTR2-11-0039
Examination Date:	04/26/2011
Waste Container ID:	88535
Video/Audio Recorded Media Number:	LA-RTR2-11-0039 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 168.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 131.9 _____ 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:	_____ 75 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88535

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Liner lid

Absorbent, solidified material (sludge)

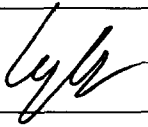
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	128.4
Soils (S):	
Total WMP Weight:	131.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88535

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Eric Lyles		4/26/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4/5/11	
	8.[5]	Parent Drum No.:	5860331	
	9.[14]	Daughter Drum No.:	88535	

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ATTACHMENT 3

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5860331 2-17
4-6-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>None</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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>10-60</u> Tolerance: <u>+/- 3%</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88535</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2</u>
8.[78]	<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

IPC-1 8.[81] Performed By: John Pacheco [Signature] 1116659 4/5/11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: Alan Sanchez [Signature] 1176445 4/5/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffith [Signature] 1130356 4-6-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail M. Webb [Signature] 1148294 4-6-11
SOM or designee (print) Signature Z# Date

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Monday, May 16, 2011

CONTAINERID: 88532

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 Exclud ed</u>
88532	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0788	NDA	Complete	2011-04-27
LA-RTR2-11-0039	RTR	Complete	2011-04-26

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88532	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>
88532	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:	LANL
Batch Number:	LA-RTR2-11-0039
Examination Date:	04/26/2011
Waste Container ID:	88532
Video/Audio Recorded Media Number:	LA-RTR2-11-0039 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 171.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 134.9 _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88532

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Liner lid

Absorbent, 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	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	131.4
Soils (S):	
Total WMP Weight:	134.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88532

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator: Eric Lyles  4/26/11 Print Name Signature Date		

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

4.3[8][A]	(\$) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR	Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	(\$) No metal WASTE CONTAINERS \leq 7 ft from SSSR	Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
4.3[8][B]	(\$) Boundaries of the SSSR Process Area are defined: (TSR 1.1)		<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
4.3[8][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)		<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
4.3[8][D]	(CS) (\$) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):			
IPC-1	• Drums are 55 gal. or larger for remediation		<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	• Each drum is \leq 200 FGE		<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	• Only one parent drum remediated at one time		<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	• Daughter drums have only a single parent drum		<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
4.3[9]	(\$) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)		<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
8.[18]	Date:	4/5/11		
8.[5]	Parent Drum No.:	5850547		
9.[14]	Daughter Drum No.:	88532		

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ATTACHMENT 3

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5850547 214
46 "

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>None</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88532</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4</u>
8.[78]	<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

IPC-1 IPC-1 8.[81] Performed By: John Pucheco [Signature] 116659 4/5/11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: Oran Sanchez [Signature] 1176445 4/5/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffith [Signature] 1130381 4-6-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail M. Welsh [Signature] 114844 4-6-11
SQM or designee (print) Signature Z# Date

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**CONTAINERID: 88527**

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 Exclud ed</u>
88527	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0782	NDA	Complete	2011-04-18
LA-RTR2-11- 0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88527	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>
88527	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88527
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 170.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 133.9 _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88527

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding

Cut up liner lid

Absorbent, solidified material (sludge)

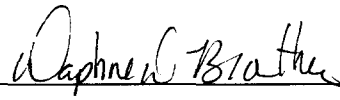
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	132.8
Soils (S):	
Total WMP Weight:	133.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88527

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/16/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4-4-11	
	8.[5]	Parent Drum No.:	5831659	
	9.[14]	Daughter Drum No.:	88527	

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ATTACHMENT 3

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5831659 RAY
4-5-11

IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): 0007 0008 0009 Foo1
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): Good
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: 032275 Cal. Expiration Date: 6-11-11 Range in ft-lb: 10-80 Tolerance: +/- 3%
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[71][D]	RCRA Designation: Haz RCRA Designation: n/a RCRA Designation: n/a RCRA Designation: n/a
8.[71][E]	Daughter Drum No.: 88507 Daughter Drum No.: n/a Daughter Drum No.: n/a Daughter Drum No.: n/a
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 2 gal
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 6 cups
8.[78]	<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

IPC-1

IPC-1

8.[81] Performed By: Ben Rodriguez 1030 192721 4/4/11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Joan R. Cassell 1 John C. Cunniff 234252 4-4-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffiths Robert L. Griffiths 1130382 4-5-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis J. Jallberg 1 Louis J. Jallberg 124427 4-5-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88521**

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 Exclud ed</u>
88521	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1385	NDA	Complete	2011-04-18
LA-RTR2-11-0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88521	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>
88521	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88521
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 192.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 156.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88521

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

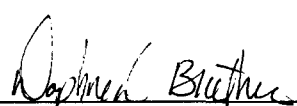
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	153.1
Soils (S):	
Total WMP Weight:	156.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88521

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/16/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 PGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4/4/11	
	8.[5]	Parent Drum No.:	5841597	
	9.[14]	Daughter Drum No.:	88521	

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5841597 21/7
4-5-11

IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88581</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>6 cups</u>
8.[78]	<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

IPC-1

8.[81]

Performed By:

Operator (Print)

Signature

Z#

Date

IPC-1

8.[83]

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

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Monday, May 16, 2011

CONTAINERID: 88518

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 Exclud ed</u>
88518	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 3 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1384	NDA	Complete	2011-04-16
LA-RTR2-11- 0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88518	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>
88518	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88518
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 206.0 _____ 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: 88518

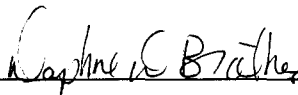
Section 3: Container Inventory and Comments (Detailed descriptions)
<p>Metal closure ring</p> <p>Cut up liner lid, plastic bag</p> <p>Absorbent, solidified material (sludge)</p>

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	166.6
Soils (S):	
Total WMP Weight:	169.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88518

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/16/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	4/4/11	
	8.[5]	Parent Drum No.:	S 902612	
	9.[14]	Daughter Drum No.:	88518	

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TA-54 Area G Sludge Remediation Activities

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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UET

ATTACHMENT 3

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5902612 2127
45-11

IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D009 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88518</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2</u>
8.[78]	<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

IPC-1

IPC-1

8.[81] Performed By: Ben Rodriguez 10/23/4/4/11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: T. WEIGEL 10/23/4/4/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin 11/30/5/4-5-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Chris Jallbert 12/4/7, 4-5-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88516**

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 Exclud ed</u>
88516	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0781	NDA	Complete	2011-04-16
LA-RTR2-11- 0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88516	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>
88516	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88516
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 151.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 114.9 _____ 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:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88516

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	111.6
Soils (S):	
Total WMP Weight:	114.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88516

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: <u>N/A</u>		
RTR Operator:		
<u>Daphne Brothers</u>	<u><i>Daphne W. Brothers</i></u>	<u>4/16/11</u>
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043): <ul style="list-style-type: none">• Drums are 55 gal. or larger for remediation• Each drum is \leq 200 FGE• Only one parent drum remediated at one time• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
	8.[18]	Date:	4/4/11	
	8.[5]	Parent Drum No.:	8850573	
	9.[14]	Daughter Drum No.:	88516	

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5850573 2/17
4-5-11

IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): D007 D008 D009 F001
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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 3/4</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88516</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u> Daughter Drum No.: <u>n/a</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 cups</u>
8.[78]	<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

IPC-1

8.[81] Performed By: Benzoliguer 103 122701 4/4/11
Operator (Print) Signature Z# Date

IPC-1

8.[83] Reviewed By: T. W. E. E. L. [Signature] 227617 4-4-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffiths [Signature] 11303561 4-5-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Jalbert [Signature] 121987 4-5-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88514**

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 Exclud ed</u>
88514	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0782	NDA	Complete	2011-04-18
LA-RTR2-11-0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88514	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>
88514	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88514
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 172.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 135.9 _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88514**Section 3: Container Inventory and Comments (Detailed descriptions)**

Metal closure ring

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

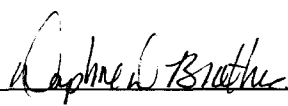
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	132.6
Soils (S):	
Total WMP Weight:	135.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88514

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/16/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

4.3[8][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[8][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT

4.3[8][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

IPC-1 4.3[8][D] (CS) (\$ The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):

- Drums are 55 gal. or larger for remediation ☒ SAT ☐ UNSAT
- Each drum is \leq 200 FGE ☒ SAT ☐ UNSAT
- Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
- Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT

4.3[9] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A

IPC-1 8.[18]
8.[5]
9.[14]

Date:

Parent Drum No.:

Daughter Drum No.:

4/4/11
5850316
88514

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UET

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

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5850316 R11
4-5-11

IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): 0007 0008 0009 Foo1
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): Good
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: 0322 75 Cal. Expiration Date: 6-11-11 Range in ft-lb: 10-80 Tolerance: +/- 3%
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: 12 ft-lb
8.[71][D]	RCRA Designation: Haz RCRA Designation: n/a RCRA Designation: n/a RCRA Designation: n/a
8.[71][E]	Daughter Drum No.: 88514 Daughter Drum No.: n/a Daughter Drum No.: n/a Daughter Drum No.: n/a
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 0
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 2
8.[78]	<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

IPC-1

8.[81] Performed By: Ben Rodriguez Operator (Print) Signature: [Signature] Z#: 11270301 Date: 4/4/11

IPC-1

8.[83] Reviewed By: T. WERSEL Supervision (Print) Signature: [Signature] Z#: 11270301 Date: 4-4-11

13.1[2][C] Reviewed By: Robert L. Griffiths CSE (print) Signature: [Signature] Z#: 11270301 Date: 4-5-11

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

13.1[2][H] Reviewed By: Louis Sulbert SOM or designee (print) Signature: [Signature] Z#: 11270301 Date: 4-5-11

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**CONTAINERID: 88512**

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 Exclud ed</u>
88512	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0781	NDA	Complete	2011-04-16
LA-RTR2-11-0034	RTR	Complete	2011-04-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88512	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>
88512	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:	LANL
Batch Number:	LA-RTR2-11-0034
Examination Date:	04/16/2011
Waste Container ID:	88512
Video/Audio Recorded Media Number:	LA-RTR2-11-0034 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 121.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 84.9 _____ 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)

Page 2 of 3

Waste Container ID: 88512

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

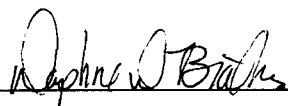
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	81.6
Soils (S):	
Total WMP Weight:	84.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88512

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/16/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

4.3[8][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[8][B] (\$ Boundaries of the SSSR Process Area are defined: (TSR 1.1) ☒ SAT ☐ UNSAT

4.3[8][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

IPC-1 4.3[8][D] (CS) (\$ The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):

- Drums are 55 gal. or larger for remediation ☒ SAT ☐ UNSAT
- Each drum is \leq 200 FGE ☒ SAT ☐ UNSAT
- Only one parent drum remediated at one time ☒ SAT ☐ UNSAT
- Daughter drums have only a single parent drum ☒ SAT ☐ UNSAT

4.3[9] (\$ No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A

IPC-1 8.[18]
8.[5]
9.[14]

Date:

Parent Drum No.:

Daughter Drum No.:

4/4/11

S 850228

88512

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TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

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5850228 221
4-5-11

IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>038275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+/- 3%</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>85512</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 cups</u>
8.[78]	<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

IPC-1 IPC-1

8.[81] Performed By: Ben Rodriguez 12/10/11 4/4/11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: T. WEIGER 223617 4-4-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Gibbs 11303574 4-5-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Jalbert 121497 4-5-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88508**

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 Exclud ed</u>
88508	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0787	NDA	Complete	2011-04-26
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88508	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>
88508	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88508
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 187.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 150.9 _____ 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: 88508

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

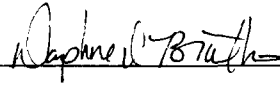
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	148.9
Soils (S):	
Total WMP Weight:	150.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88508

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>3-31-11</u>	
	8.[5]	Parent Drum No.:	<u>5833748</u>	
	9.[14]	Daughter Drum No.:	<u>88508</u>	

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UET

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

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Effective Date: 03/16/2011

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5833748 ²⁴⁻¹¹⁻¹¹

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88508</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 GAL.</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 CUPS</u>
8.[78]	<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

IPC-1 8.[81] Performed By: Timmy Romero TT 234253 3-31-11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: Jack R. Crosse Jack R. Crosse 234252 3/31/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffith Robert L. Griffith 1130354 04-01-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Jalbena Louis Jalbena 121092 4-4-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88506**

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 Exclud ed</u>
88506	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0787	NDA	Complete	2011-04-26
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88506	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>
88506	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88506
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 214.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 178.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88506

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

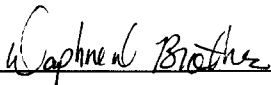
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	176.2
Soils (S):	
Total WMP Weight:	178.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88506

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(\$)	No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(\$)	No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(\$)	Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][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)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS)	(\$) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
			• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(\$)	No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>3-31-11</u>		
	8.[5]	Parent Drum No.:	<u>5800432</u>		
	9.[14]	Daughter Drum No.:	<u>88506</u>		

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04-01-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>58506</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 Gal.</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
8.[78]	<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

IPC-1 | 8.[81] Performed By: TIMMY ROMERO TR 234253 3-31-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Jon R. Cressel Jon R. Cressel 234252 3/31/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Giffis Robert L. Giffis 11303561 04-01-11
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 1121467 4-4-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88504**

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 Exclud ed</u>
88504	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0787	NDA	Complete	2011-04-26
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88504	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>
88504	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88504
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 192.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 156.4 _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88504

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

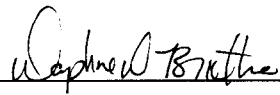
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	154.2
Soils (S):	
Total WMP Weight:	156.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88504

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	3-31-11	
	8.[5]	Parent Drum No.:	5850370	
	9.[14]	Daughter Drum No.:	88504	

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TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

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5850370
5850352 217
24-01-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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 8</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88504</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 Gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 cups</u>
8.[78]	<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

IPC-1 | 8.[81] Performed By: Jimmy Romero [Signature] 234253 1 3-31-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Jon R Casel [Signature] 234252 1 3/31/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffith [Signature] 1130156 1 04-01-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis J. Jaber [Signature] 12997 4 4-4-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88502**

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 Exclud ed</u>
88502	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0791	NDA	Complete	2011-05-02
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88502	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>
88502	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88502
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 204.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 167.9 _____ 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)

Page 2 of 3

Waste Container ID: 88502

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring, scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

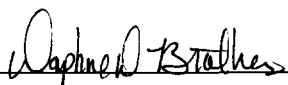
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	163.8
Soils (S):	
Total WMP Weight:	167.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88502

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS ≤ 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS ≤ 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is ≤ 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is ≤ 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>3-31-11</u>	
	8.[5]	Parent Drum No.:	<u>388199</u>	
	9.[14]	Daughter Drum No.:	<u>88502</u>	

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TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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5881199 217
042-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>052275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+3%</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12 ft-lb</u>
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12 ft-lb</u>
8.[71][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.[71][E]	Daughter Drum No.: <u>88502</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
8.[78]	<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

IPC-1

8.[81]

Performed By:

Operator (Print)

Tony Sam

Signature

23753213-31-11

Z# Date

IPC-1

8.[83]

Reviewed By:

Supervision (Print)

Jank Cassel

Signature

23425213-31-11

Z# Date

13.1[2][C]

Reviewed By:

CSE (print)

Robert L. Giff

Signature

1132382104-01-11

Z# Date

13.1[2][E]

Acceptance criteria satisfied:

☒ YES☐ NO

13.1[2][H]

Reviewed By:

SOM or designee (print)

Louis J. J. J.

Signature

12K9714-4-11

Z# Date

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Monday, May 16, 2011

CONTAINERID: 88499

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 Exclud ed</u>
88499	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0786	NDA	Complete	2011-04-25
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88499	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>
88499	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88499
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88499

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	180.4
Soils (S):	
Total WMP Weight:	182.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88499

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: <u>N/A</u>		
RTR Operator:		
<u>Daphne Brothers</u>	<u><i>Daphne W. Brattle</i></u>	<u>4/25/11</u>
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 PGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>3-31-11</u>	
	8.[5]	Parent Drum No.:	<u>8804776</u>	
	9.[14]	Daughter Drum No.:	<u>88499</u>	

03/

TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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5804776 R17
04-2011

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][D]	RCRA Designation: <u>HAZ</u> RCRA Designation: <u>MA</u> RCRA Designation: <u>N/A</u> RCRA Designation: <u>MA</u>
8.[71][E]	Daughter Drum No.: <u>88499</u> ^{MOE} <u>4/2/2011</u> Daughter Drum No.: <u>MA</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>MA</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 gal</u>
8.[78]	<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

IPC-1 8.[81] Performed By: Tony Senn [Signature] 237892 1 3/31/11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: Jon R. Cassel [Signature] 234252 1 3/31/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin [Signature] 130352 1 04-20-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Johnson [Signature] 121467 4-4-11
SOM or designee (print) Signature Z# Date

0322



Monday, May 16, 2011

CONTAINERID: 88498

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 Exclud ed</u>
88498	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0787	NDA	Complete	2011-04-26
LA-RTR2-11-0038	RTR	Complete	2011-04-25

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88498	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>
88498	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:	LANL
Batch Number:	LA-RTR2-11-0038
Examination Date:	04/25/2011
Waste Container ID:	88498
Video/Audio Recorded Media Number:	LA-RTR2-11-0038 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 177.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 141.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88498

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

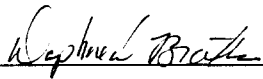
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/ Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	139.2
Soils (S):	
Total WMP Weight:	141.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88498

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/25/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(\$)	No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(\$)	No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(\$)	Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][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)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS)	(\$) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
			• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(\$)	No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>3-31-11</u>		
	8.[5]	Parent Drum No.:	<u>9824387</u>		
	9.[14]	Daughter Drum No.:	<u>88498</u>		

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ATTACHMENT 3

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5824387 21/7
24-01-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88498</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 Gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 cups</u>
8.[78]	<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

IPC-1 | 8.[81] Performed By: Tony Serna Signature: [Signature] Z # 237392 Date 13-31-11
Operator (Print)

IPC-1 | 8.[83] Reviewed By: Scott Cassek Signature: [Signature] Z # 204252 Date 13/31/11
Supervision (Print)

13.1[2][C] Reviewed By: Robert L. Giff Signature: [Signature] Z # 1130352 Date 04-01-11
CSE (print)

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

13.1[2][H] Reviewed By: Cous Jallier Signature: [Signature] Z # 12947 Date 4-4-11
SOM or designee (print)

080

**CONTAINERID: 88484**

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 Exclud ed</u>
88484	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1383	NDA	Complete	2011-04-15
LA-RTR2-11- 0032	RTR	Complete	2011-04-14

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88484	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>
88484	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:	LANL
Batch Number:	LA-RTR2-11-0032
Examination Date:	04/14/2011
Waste Container ID:	88484
Video/Audio Recorded Media Number:	LA-RTR2-11-0032 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 209.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 173.4 _____ 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: 88484

Section 3: Container Inventory and Comments (Detailed descriptions)

Plastic bag, cut up liner lid

Absorbent, solidified material (sludge)


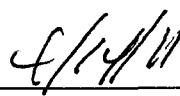
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	172.1
Soils (S):	
Total WMP Weight:	173.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88484

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 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

IPC-1	4.3[8][A]	(\$)	No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(\$)	No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(\$)	Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][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)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS)	(\$) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
			• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(\$)	No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>3-29-11</u>		
	8.[5]	Parent Drum No.:	<u>3804468</u>		
	9.[14]	Daughter Drum No.:	<u>88484</u>		

027-

ATTACHMENT 3

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5804468 1217
3-30-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes): D007, D008, D009, F001
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88484</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>2 Gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>3 cups</u>
8.[78]	<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

IPC-1 | 8.[81] Performed By: Tony Sena [Signature] 2573921 3-29-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Jon R. Cassel [Signature] 1234252 3-29-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Giffis [Signature] 1130356 3-30-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail M. Walsh [Signature] 118894 3/30/11
SOM or designee (print) Signature Z# Date

028



Monday, May 16, 2011

CONTAINERID: 88482

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 Exclud ed</u>
88482	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1383	NDA	Complete	2011-04-15
LA-RTR2-11-0032	RTR	Complete	2011-04-14

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88482	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>
88482	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:	LANL
Batch Number:	LA-RTR2-11-0032
Examination Date:	04/14/2011
Waste Container ID:	88482
Video/Audio Recorded Media Number:	LA-RTR2-11-0032 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 167.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 131.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88482

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring, scrap metal
Cut up liner lid, plastic bag
Absorbent, solidified material (sludge)



Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	1.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	129.0
Soils (S):	
Total WMP Weight:	131.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88482

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)		Yes	No
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"/>	
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>	
CH or RH TRAMPAC			
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 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

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>3-29-11</u>	
	8.[5]	Parent Drum No.:	<u>9850148</u>	
	9.[14]	Daughter Drum No.:	<u>88482</u>	

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TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

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5850148 211
3-30-11

IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88482</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>3 gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>5 cups</u>
8.[78]	<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

IPC-1

IPC-1

8.[81] Performed By: Tony Sena Signature: [Signature] Z# 237392 Date 3-29-11
Operator (Print)

8.[83] Reviewed By: Joe R. Cassel Signature: [Signature] Z# 1204252 Date 3-29-11
Supervision (Print)

13.1[2][C] Reviewed By: Robert L. Griffo Signature: [Signature] Z# 1130352 Date 3-30-11
CSE (print)

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

13.1[2][H] Reviewed By: Chad M. Walsh Signature: [Signature] Z# 114849 Date 3/30/11
SOM or designee (print)

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**CONTAINERID: 88480**

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 Exclud ed</u>
88480	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1383	NDA	Complete	2011-04-15
LA-RTR2-11-0032	RTR	Complete	2011-04-14

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88480	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>
88480	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:	LANL
Batch Number:	LA-RTR2-11-0032
Examination Date:	04/14/2011
Waste Container ID:	88480
Video/Audio Recorded Media Number:	LA-RTR2-11-0032 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 176.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 139.9 _____ 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: 88480

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Plastic bag, cut up liner lid

Absorbent, 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	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	1.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	137.6
Soils (S):	
Total WMP Weight:	139.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88480

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Philip Dillard		4/14/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>3-29-11</u>	
	8.[5]	Parent Drum No.:	<u>5881009</u>	
	9.[14]	Daughter Drum No.:	<u>88480</u>	

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TA-54 Area G Sludge Remediation Activities

UET

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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5881009 214
3-30-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88480</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>1 Cup</u>
8.[78]	<input checked="" type="checkbox"/> Rigid liner lid cut into at least two pieces and placed into the daughter drum with other decontamination materials

Comments:

IPC-1

IPC-1

8.[81] Performed By: Tony Serna [Signature] 287392 13-29-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Jack Chesser [Signature] 1234254 3-29-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Giffis [Signature] 1130354 3-30-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gary M. Welch [Signature] 114814 3/30/11
SOM or designee (print) Signature Z# Date

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Monday, May 16, 2011

CONTAINERID: 88478

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 Exclud ed</u>
88478	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1383	NDA	Complete	2011-04-15
LA-RTR2-11- 0032	RTR	Complete	2011-04-14

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88478	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>
88478	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:	LANL
Batch Number:	LA-RTR2-11-0032
Examination Date:	04/14/2011
Waste Container ID:	88478
Video/Audio Recorded Media Number:	LA-RTR2-11-0032 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 167.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 131.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 85 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88478

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding material

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

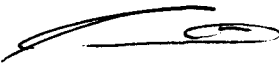
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	129.6
Soils (S):	
Total WMP Weight:	131.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88478

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Philip Dillard		4/14/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(\$)	No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(\$)	No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(\$)	Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][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)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS)	(\$) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
			• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(\$)	No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>3-29-11</u>		
	8.[5]	Parent Drum No.:	<u>S833707</u>		
	9.[14]	Daughter Drum No.:	<u>88478</u>		

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

UET

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5833 707 217
3-30-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, Pool</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88478</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>1 cup</u>
8.[78]	<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

IPC-1 | 8.[81] Performed By: Tony Sena Tony Sena 257392 13-29-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Jon R. Cassal Jon R. Cassal 1234254 3-29-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Gibbs Robert L. Gibbs 1130352 13-30-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail M. Welch Gail M. Welch 114844 3/30/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88474**

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 Exclud ed</u>
88474	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0780	NDA	Complete	2011-04-15
LA-RTR2-11-0032	RTR	Complete	2011-04-14

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88474	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>
88474	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:	LANL
Batch Number:	LA-RTR2-11-0032
Examination Date:	04/14/2011
Waste Container ID:	88474
Video/Audio Recorded Media Number:	LA-RTR2-11-0032 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 202.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 166.4 _____ 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: 88474

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding material

Cut up liner lid

Absorbent, solidified material (sludge)

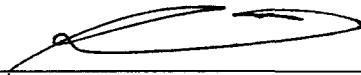
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	164.9
Soils (S):	
Total WMP Weight:	166.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88474

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Philip Dillard		4/14/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>3-29-11</u>	
	8.[5]	Parent Drum No.:	<u>5800461</u>	
	9.[14]	Daughter Drum No.:	<u>88474</u>	

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ATTACHMENT 3

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5800461 21.1
3-30-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88474</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 cups</u>
8.[78]	<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

IPC-1 8.[81] Performed By: Tony Sena Signature: [Signature] Z # 2373921 Date 3-29-11
Operator (Print)

IPC-1 8.[83] Reviewed By: Jon R. Cassel Signature: [Signature] Z # 12342521 Date 3-29-11
Supervision (Print)

13.1[2][C] Reviewed By: Robert L. Griffiths Signature: [Signature] Z # 11303861 Date 3-30-11
CSE (print)

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

13.1[2][H] Reviewed By: Chad M. Welsh Signature: [Signature] Z # 114814 Date 3/30/11
SOM or designee (print)

066

**CONTAINERID: 88470**

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 Exclud ed</u>
88470	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0780	NDA	Complete	2011-04-15
LA-RTR2-11-0032	RTR	Complete	2011-04-14

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88470	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>
88470	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:	LANL
Batch Number:	LA-RTR2-11-0032
Examination Date:	04/14/2011
Waste Container ID:	88470
Video/Audio Recorded Media Number:	LA-RTR2-11-0032 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR No.: _____ N/A NCR No.: _____ N/A

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt: _____ 206.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 170.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88470

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

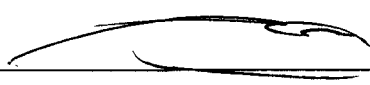
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner, Liner Bag	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):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	169.1
Soils (S):	
Total WMP Weight:	170.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88470

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Philip Dillard		4/14/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(\$)	No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(\$)	No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(\$)	Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][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)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS)	(\$) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
			• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(\$)	No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	3-29-11		
	8.[5]	Parent Drum No.:	S800456		
	9.[14]	Daughter Drum No.:	88470		

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TA-54 Area G Sludge Remediation Activities

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

UET

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5800452 217
3-30-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>Good</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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>+/- 32</u>
8.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88470</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>1 Gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 cups</u>
8.[78]	<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

IPC-1 | 8.[81] Performed By: Tony Sena Tony Sena 237392 13-29-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Jon R. Cassel Jon R. Cassel 1204252 3-29-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Giffis Robert L. Giffis 1130352 3-30-11
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 1130352 3/30/11
SOM or designee (print) Signature Z# Date

014

**CONTAINERID: 88452**

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 Exclud ed</u>
88452	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0779	NDA	Complete	2011-04-14
LA-RTR2-11-0031	RTR	Complete	2011-04-13

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88452	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>
88452	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:	LANL
Batch Number:	LA-RTR2-11-0031
Examination Date:	04/13/2011
Waste Container ID:	88452
Video/Audio Recorded Media Number:	LA-RTR2-11-0031 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 149.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 112.9 _____ 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 _____ %

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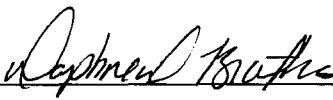
Section 3: Container Inventory and Comments (Detailed descriptions)	
Metal enclosure ring, scrap metal	
Cut up liner lid, plastic bag	
Absorbent, solidified material (sludge)	

047

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88452

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/13/11
Print Name	Signature	Date

ATTACHMENT 3

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LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(S) No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(S) No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(S) Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][C]	(S) Total volume of flammable liquids within the SSSR Process Area Boundaries for operation and maintenance activities is \leq 1 gal: (SR 4.7.6)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS) (S) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
		• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	3-24-11	
	8.[5]	Parent Drum No.:	5860326	
	9.[14]	Daughter Drum No.:	88452	

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TA-54 Area G Sludge Remediation Activities

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

Revision: 7 IPC-1

Effective Date: 03/16/2011

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ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88452</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>190L</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>4 CUPS</u>
8.[78]	<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

IPC-1 IPC-1

8.[81] Performed By: Timmy Romero 234253 3-24-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Alan Sanchez 11764451
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffith 1132382 3/28/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Grant M. Webster 114816 3/28/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88440**

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 Exclud ed</u>
88440	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0779	NDA	Complete	2011-04-14
LA-RTR2-11-0031	RTR	Complete	2011-04-13

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88440	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>
88440	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:	LANL
Batch Number:	LA-RTR2-11-0031
Examination Date:	04/13/2011
Waste Container ID:	88440
Video/Audio Recorded Media Number:	LA-RTR2-11-0031 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 237.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 201.4 _____ 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: 88440

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal enclosure ring, scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

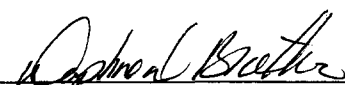
Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	197.6
Soils (S):	
Total WMP Weight:	201.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88440

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/13/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(\$)	No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(\$)	No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(\$)	Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][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)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
IPC-1	4.3[8][D]	(CS)	(\$) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
			• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(\$)	No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>3-23-11</u>		
	8.[5]	Parent Drum No.:	<u>5893319</u>		
	9.[14]	Daughter Drum No.:	<u>88440</u>		

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

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88440</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0 Gal.</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 cups</u>
8.[78]	<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

IPC-1 | 8.[81] Performed By: Timmy Romero Timmy Romero 734253 3-23-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Alan Sanchez Alan Sanchez 11764451 3-23-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael D. Garcia Michael D. Garcia 099148 3/24/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail M. Weis Gail M. Weis 114819 3/24/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88435**

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 Exclud ed</u>
88435	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 78 (None)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0779	NDA	Complete	2011-04-14
LA-RTR2-11-0031	RTR	Complete	2011-04-13

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88435	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>
88435	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:	LANL
Batch Number:	LA-RTR2-11-0031
Examination Date:	04/13/2011
Waste Container ID:	88435
Video/Audio Recorded Media Number:	LA-RTR2-11-0031 A
Procedure and Revision No.:	CCP-TP-053 Rev. 10
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: _____ 194.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 157.9 _____ 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)

Page 2 of 3

Waste Container ID: 88435

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal enclosure ring

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)


Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner/Liner Bag	8.4
Others:	0.0
Total Packaging Weight:	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.3
Organic Matrix (OR):	
Inorganic Matrix (IN):	154.6
Soils (S):	
Total WMP Weight:	157.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88435

Section 5: RTR Summary (Questions answered "YES" will be explained in the Comments block)	Yes	No
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"/>
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/>	<input checked="" 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"/>
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<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 for heavy and/or sharp objects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: N/A		
RTR Operator:		
Daphne Brothers		4/13/11
Print Name	Signature	Date

ATTACHMENT 3

Page 1 of 2

LIQUID REMEDIATION CHECKLIST

IPC-1	4.3[8][A]	(\$)	No non-metal WASTE CONTAINERS \leq 26 ft from SSSR Process Area (SR 4.7.3)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
		(\$)	No metal WASTE CONTAINERS \leq 7 ft from SSSR Process Area (SR 4.7.4)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[8][B]	(\$)	Boundaries of the SSSR Process Area are defined: (TSR 1.1)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
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IPC-1	4.3[8][D]	(CS)	(\$) The following requirements are satisfied: (AC 5.6.3, NCS-CSLA-11-043):		
			• Drums are 55 gal. or larger for remediation	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Each drum is \leq 200 FGE	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Only one parent drum remediated at one time	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
			• Daughter drums have only a single parent drum	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT
	4.3[9]	(\$)	No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5)	<input checked="" type="checkbox"/> SAT	<input type="checkbox"/> UNSAT <input type="checkbox"/> N/A
IPC-1	8.[18]	Date:	<u>3-23-11</u>		
	8.[5]	Parent Drum No.:	<u>5893209</u>		
	9.[14]	Daughter Drum No.:	<u>88435</u>		

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

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001</u>
8.[21]	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.[26]	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, breaks): <u>NONE</u>
8.[27][B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.[29]	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly-liner <input type="checkbox"/> N/A (if not applicable)
8.[32]	<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.[33]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for the torque wrench is within the calibrated range.
8.[35]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[65]	<input checked="" type="checkbox"/> Torque the lifting device fasteners to 12 ft-lb. Record actual torque value: <u>12</u> ft-lb
8.[71][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.[71][E]	Daughter Drum No.: <u>88435</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u> Daughter Drum No.: <u>N/A</u>
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: <u>0 Gal.</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 cups</u>
8.[78]	<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

IPC-1

8.[81]

Performed By:

Operator (Print)

Signature

Z #

Date

IPC-1

8.[83]

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

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