

ENTERED
Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221
MAY 17 2011

MAY 2011

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 477

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 (NMED) the following information for each container:

- A. A list of remediated containers being shipped;
- B. Evidence that each container has been remediated in accordance with approved Los Alamos National Laboratory (LANL) procedures; and
- C. Evidence that Non-Conformance Report (NCRs) written for prohibited liquid have been dispositioned appropriately by the Central Characterization Project (CCP).

Enclosed is a Digital Video Disk (DVD) containing the required documents for 34 containers, Lot 477, also enclosed is a list of those containers. 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 non-conformance report. 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.



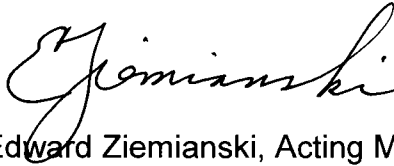
Mr. John Kieling

-2-

MAY 17 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
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
Site Documents	ED
CBFO M&RC	

*ED denotes electronic distribution

LANL LA-MIN03-NC.001 Containers

LANL LA-MIN03-NC.001 Containers, Lott 477		
	NDE BDRs	CONTAINER IDs
1	LA-RTR2-11-0029	88423
2	LA-RTR2-11-0029	88429
3	LA-RTR2-11-0029	88431
4	LA-RTR2-11-0030	88401
5	LA-RTR2-11-0030	88413
6	LA-RTR2-11-0030	88415
7	LA-RTR2-11-0030	88417
8	LA-RTR2-11-0030	88419
9	LA-RTR2-11-0030	88421
10	LA-RTR2-11-0030	88427
11	LA-RTR2-11-0030	88442
12	LA-RTR2-11-0030	88454
13	LA-RTR2-11-0030	88456
14	LA-RTR2-11-0030	88458
15	LA-RTR2-11-0030	88460
16	LA-RTR2-11-0030	88462
17	LA-RTR2-11-0030	88466
18	LA-RTR2-11-0030	88468
19	LA-RTR2-11-0030	88472
20	LA-RTR2-11-0030	88476
21	LA-RTR2-11-0031	88433
22	LA-RTR2-11-0031	88438
23	LA-RTR2-11-0031	88444
24	LA-RTR2-11-0031	88446
25	LA-RTR2-11-0031	88450
26	LA-RTR2-11-0031	88599
27	LA-RTR2-11-0031	88605
28	LA-RTR2-11-0031	88612
29	LA-RTR2-11-0031	88616
30	LA-RTR2-11-0032	88488
31	LA-RTR2-11-0032	88490
32	LA-RTR2-11-0032	88492
33	LA-RTR2-11-0032	88494
34	LA-RTR2-11-0032	88495

**CONTAINERID: 88401**

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>
88401	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0777	NDA	Complete	2011-04-12
LA-RTR2-11- 0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88401	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>
88401	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88401
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: _____ 157.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 120.9 _____ 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: 88401

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Plastic bag, cut up liner lid, plastic container

Absorbent, solidified material (sludge)

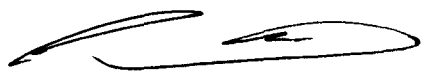
Section 4: Packaging Material and Waste Material Parameters

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):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	118.4
Soils (S):	
Total WMP Weight:	120.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88401

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		4/12/11
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>3/17/11</u>	
	8.[5]	Parent Drum No.:	<u>5850222</u>	
	9.[14]	Daughter Drum No.:	<u>88401</u>	

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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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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>NO</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"/> Yes Rigid liner contains an internal poly-liner <input checked="" type="checkbox"/> N/A (if not applicable)
8.[32]	<input checked="" type="checkbox"/> Record torque wrench information: MT&E No.: <u>D32275</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>88401</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/C

IPC-1 | 8.[81] Performed By: Timmy Romero Timmy R 734253 3-17-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Oran Sanchez Oran S 1264407 3-17-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert Griffiths Robert L. Griffiths 1130356 3-18-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Jalbert Louis J 121467 3-18-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88413**

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>
88413	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0777	NDA	Complete	2011-04-12
LA-RTR2-11- 0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88413	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>
88413	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88413
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: _____ 152.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 116.4 _____ 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:	_____ 75 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88413

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring, scrap metal

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):	1.1
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):	114.0
Soils (S):	
Total WMP Weight:	116.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88413

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>Philip Dillard</u>		<u>4/12/11</u>
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:	3/21/11		
	8.[5]	Parent Drum No.:	S 860348		
	9.[14]	Daughter Drum No.:	88413		

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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>SAT</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"/> Yes Rigid liner contains an internal poly-liner <input checked="" 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>88413</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: Roberto Baez [Signature] 12340781 3/21/11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Lowell Cassel [Signature] 12342521 3/21/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael D. Garcia [Signature] 0091431 3/22/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail Welsh [Signature] 114849 3/24/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88415**

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>
88415	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1380	NDA	Complete	2011-04-12
LA-RTR2-11-0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88415	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>
88415	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88415
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: 88415**Section 3: Container Inventory and Comments (Detailed descriptions)**

Metal closure ring, scrap metal

Plastic bag, cut up liner lid

Absorbent, solidified material (sludge)

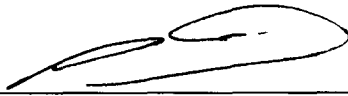
Section 4: Packaging Material and Waste Material Parameters

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):	1.1
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):	171.0
Soils (S):	
Total WMP Weight:	173.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88415

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>Philip Dillard</u>		<u>4/12/11</u>
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:	3/21/11		
	8.[5]	Parent Drum No.:	S-983322 ^{18 3/21/11} S-893322		
	9.[14]	Daughter Drum No.:	88415		

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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>SAT</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"/> Yes Rigid liner contains an internal poly-liner <input checked="" 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>A12</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>88415</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: U/C

IPC-1 | 8.[81] Performed By: Isabelo Baca [Signature] 12340781 3/21/11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Oran Sanchez [Signature] 11764451 3-21-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael D. Garcia [Signature] 0991431 3/22/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Chad Welsh [Signature] 114849 3/24/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88417**

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>
88417	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1380	NDA	Complete	2011-04-12
LA-RTR2-11- 0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88417	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>
88417	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88417
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: _____ 201.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 164.9 _____ 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: 88417

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):	162.6
Soils (S):	
Total WMP Weight:	164.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88417

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		4/12/11
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: 3/21/11
- 8.[5] Parent Drum No.: S 841475
- 9.[14] Daughter Drum No.: 88417

IPC-1

IPC-1

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ATTACHMENT 3

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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007 D008 D009 F004</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>SAT</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"/> Yes Rigid liner contains an internal poly-liner <input checked="" 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>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>88417</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>8 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: Zuberke Baran [Signature] 12345678 3/21/11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Jon R Casse [Signature] 12342524 3/21/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael D. Garcia [Signature] 889143 3/22/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail Welsh [Signature] 114849 3/24/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88419**

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>
88419	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0777	NDA	Complete	2011-04-12
LA-RTR2-11- 0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88419	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>
88419	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88419
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: _____ 158.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 121.9 _____ 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: 88419**Section 3: Container Inventory and Comments (Detailed descriptions)**

Metal banding material

Plastic bag, cut up liner lid

Absorbent, solidified material (sludge)

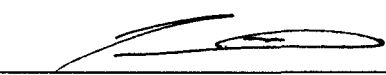
Section 4: Packaging Material and Waste Material Parameters

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):	0.5
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):	120.1
Soils (S):	
Total WMP Weight:	121.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88419

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		4/12/11
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 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.:

3-22-11585047388419

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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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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>88419</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>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: Timmy Romero Timmy Romero 234253 13-22-11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: Jon R Casel Jon R Casel 1234254 3-22-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael D. Garcia Michael D. Garcia 099143 3/22/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail Welsch Gail Welsch 114844 3/24/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88421**

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>
88421	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0777	NDA	Complete	2011-04-12
LA-RTR2-11-0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88421	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>
88421	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88421
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: _____ 233.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 196.9 _____ 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: 88421

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding material

Plastic bag, cut up liner lid

Absorbent, solidified material (sludge)

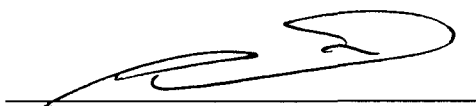
Section 4: Packaging Material and Waste Material Parameters

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):	0.5
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):	195.1
Soils (S):	
Total WMP Weight:	196.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88421

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		4/12/11
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>3-22-11</u>		
	8.[5]	Parent Drum No.:	<u>5810177</u>		
	9.[14]	Daughter Drum No.:	<u>88421</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>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>88421</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>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 734253 3-22-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Jon R. Cassel Jon R. Cassel 1234254 3-22-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael D. Garcia Michael D. Garcia 0991431 3/22/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Carl M. Wash Carl M. Wash 114844 3/24/11
SCM or designee (print) Signature Z# Date

038

**CONTAINERID: 88423**

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>
88423	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1379	NDA	Complete	2011-04-11
LA-RTR2-11- 0029	RTR	Complete	2011-04-11

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88423	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>
88423	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-RTR2-11-0029
Examination Date:	04/11/2011
Waste Container ID:	88423
Video/Audio Recorded Media Number:	LA-RTR2-11-0029 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: _____ 174.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 138.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88423

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

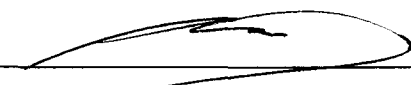
Section 4: Packaging Material and Waste Material Parameters

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):	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):	136.1
Soils (S):	
Total WMP Weight:	138.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88423

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		4/11/11
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:

8.[5] Parent Drum No.:

9.[14] Daughter Drum No.:

3/22/11
S 880992
88423

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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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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>0007 0008 0109 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>+/-38</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>88423</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>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/C

IPC-1 | 8.[81] Performed By: Timmy Romero [Signature] 234253 3-22-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Jon R Casse [Signature] 12342521 3/22/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael D. Garcia [Signature] 0991421 3/22/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail Welsh [Signature] 11849 3/24/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88427**

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>
88427	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1380	NDA	Complete	2011-04-12
LA-RTR2-11-0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88427	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>
88427	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88427
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: _____ 170.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 134.4 _____ 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: 88427

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding material, scrap metal
Plastic bag, cut up liner lid
Absorbent, solidified material (sludge)

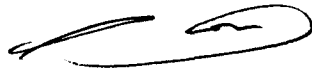
Section 4: Packaging Material and Waste Material Parameters

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):	0.6
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):	132.5
Soils (S):	
Total WMP Weight:	134.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88427

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		4/12/11
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] Date: 3-22-11
8.[5] Parent Drum No.: 5833704
9.[14] Daughter Drum No.: 88427

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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>7-3 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>88427</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/C

IPC-1 | 8.[81] Performed By: Timmy Romero TR 734253 3-22-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Alan Sanchez AS 11764457 3-22-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael B. Garcia MBG 099443 3/23/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Grail M. Welsh GMW 114844 3/24/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88429**

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>
88429	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0776	NDA	Complete	2011-04-11
LA-RTR2-11-0029	RTR	Complete	2011-04-11

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88429	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>
88429	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-RTR2-11-0029
Examination Date:	04/11/2011
Waste Container ID:	88429
Video/Audio Recorded Media Number:	LA-RTR2-11-0029 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: _____ 174.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 138.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 75 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88429

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Cut up plastic 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):	1.0
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):	136.1
Soils (S):	
Total WMP Weight:	138.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88429

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		4/11/11
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 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: 3-22-11
- 8.[5] Parent Drum No.: 5860301
- 9.[14] Daughter Drum No.: 88429

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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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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>88429</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>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/C

IPC-1

8.[81] Performed By: Timmy Romero 234253 3-22-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Oran Sanchez 11764151 3-22-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael D. Garcia 099143 3/23/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gail Welsh 114849 3/24/11
SOM or designee (print) Signature Z# Date

190

**CONTAINERID: 88431**

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>
88431	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0776	NDA	Complete	2011-04-11
LA-RTR2-11- 0029	RTR	Complete	2011-04-11

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88431	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>
88431	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-RTR2-11-0029
Examination Date:	04/11/2011
Waste Container ID:	88431
Video/Audio Recorded Media Number:	LA-RTR2-11-0029 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:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88431

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring, scrap metal

Plastic bag, cut up plastic 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):	1.1
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):	167.0
Soils (S):	
Total WMP Weight:	169.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88431

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		4/11/11
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 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:

8.[5]

Parent Drum No.:

9.[14]

Daughter Drum No.:

3-22-11

5841563

88431

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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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UEA

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>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>+38</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>88431</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>5 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

IPC-1

8.[81] Performed By: Timmy Romero TT 234253 3-22-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Chen Sanchez CS 1176449 3-22-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael D. Garcia Mich D Garcia 099143 3/23/11
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 3/24/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88433**

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>
88433	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1382	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>
88433	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>
88433	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:	88433
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: _____ 191.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 155.4 _____ 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: 88433

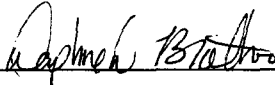
Section 3: Container Inventory and Comments (Detailed descriptions)
Metal enclosure ring, scrap metal
Cut up liner lid, plastic bag
Absorbent, solidified material (sludge)

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):	151.6
Soils (S):	
Total WMP Weight:	155.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88433

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]	(\$)	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:	3-23-11		
	8.[5]	Parent Drum No.:	5880979		
	9.[14]	Daughter Drum No.:	98433 88438 TR 3-23-11		

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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

UE#

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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 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>88433</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>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: Timmy Romero 734253 3-23-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Chas Sautier 1764454 3-23-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael D. Garcia 0991431 3/24/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Paul Welsh 114249 3/24/11
SCM or designee (print) Signature Z# Date

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**CONTAINERID: 88438**

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>
88438	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1382	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>
88438	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>
88438	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:	88438
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: _____ 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:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88438

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal enclosure ring, razor blade at 6 inches, scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

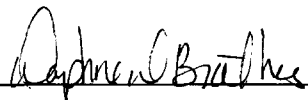
Section 4: Packaging Material and Waste Material Parameters

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):	2.5
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):	142.8
Soils (S):	
Total WMP Weight:	146.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88438

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 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:

3-23-11

8.[5]

Parent Drum No.:

5850533

9.[14]

Daughter Drum No.:

88438

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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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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>+3.6</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>88438</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 Gals</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 IPC-1

8.[81] Performed By: Timmy Romero Timmy Romero 734253 3-23-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Don Sander Don Sander 11764451 3-22-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael D. Garcia Michael Garcia 10991431 3/24/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Gal M. Welsh Gal M. Welsh 114844 3/24/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88442**

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>
88442	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0777	NDA	Complete	2011-04-12
LA-RTR2-11- 0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88442	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>
88442	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88442
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: _____ 193.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 157.4 _____ 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: 88442

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):	155.0
Soils (S):	
Total WMP Weight:	157.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88442

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		4/12/11
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 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: 8841065 3-23-11
8.[5] Parent Drum No.: 8841065
9.[14] Daughter Drum No.: 88442

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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): NONE
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: HA2 RCRA Designation: N/A RCRA Designation: NA RCRA Designation: N/A
8.[71][E]	Daughter Drum No.: 88442 Daughter Drum No.: N/A Daughter Drum No.: NA Daughter Drum No.: N/A
8.[74]	<input checked="" type="checkbox"/> Total amount of liquid found: 1 GAL
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 4 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 8.[81] Performed By: Tony Senu Operator (Print) Signature: [Signature] Z# 2075921 Date 3-23-11

IPC-1 8.[83] Reviewed By: Chan Parker Supervision (Print) Signature: [Signature] Z# 11764057 Date 3-23-11

13.1[2][C] Reviewed By: Michael D. Garcia CSE (print) Signature: [Signature] Z# 0991431 Date 3/24/11

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

13.1[2][H] Reviewed By: Gail M. Welsh SOM or designee (print) Signature: [Signature] Z# 114544 Date 3/24/11

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**CONTAINERID: 88444**

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>
88444	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (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>
88444	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>
88444	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:	88444
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: _____ 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)

Page 2 of 3

Waste Container ID: 88444

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal, metal enclosure ring

Cut up liner lid, plastic bag, plastic containers

Absorbent, solidified material (sludge)

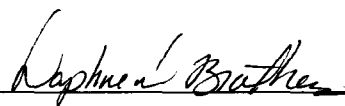
Section 4: Packaging Material and Waste Material Parameters

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):	1.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	132.3
Soils (S):	
Total WMP Weight:	135.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88444

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 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.:

3-23-11
~~3/23/11 8850466~~ 8850466
 88444

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ATTACHMENT 3

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Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D008, D007, 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>88444</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>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/A

IPC-1 8.[81] Performed By: Tony Sena Tony Sena 2373921 3-23-11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: Chen Sanchez Chen Sanchez 1176445 3-23-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Michael D. Garcia Michael D. Garcia 1099147 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. Welsch Gail M. Welsch 114844 3/24/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88446**

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>
88446	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1381	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>
88446	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>
88446	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:	88446
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: _____ 179.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 143.4 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 80 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88446

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal enclosure ring, scrap metal

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

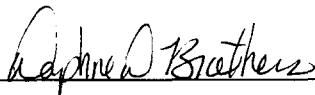
Section 4: Packaging Material and Waste Material Parameters

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):	139.6
Soils (S):	
Total WMP Weight:	143.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88446

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
- 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: 3-24-11
- 8.[5] Parent Drum No.: 5850085
- 9.[14] Daughter Drum No.: 88446

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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>88446</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>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/C

IPC-1 | 8.[81] Performed By: Timmy Romero Timmy Romero 734253 3-24-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Chen Sanchez Chen Sanchez 1764457 3-24-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffith Robert L. Griffith 1130354 3/28/11
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 114544 3/29/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88450**

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>
88450	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (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>
88450	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>
88450	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:	88450
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: _____ 169.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 132.9 _____ 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: 88450

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

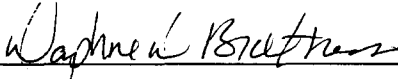
Section 4: Packaging Material and Waste Material Parameters

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):	1.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	131.3
Soils (S):	
Total WMP Weight:	132.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88450

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]	(\$)	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>3-24-11</u>		
	8.[5]	Parent Drum No.:	<u>5822101</u>		
	9.[14]	Daughter Drum No.:	<u>88450</u>		

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UEA

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>88450</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>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/C

IPC-1

8.[81] Performed By: Timmy Romero [Signature] 734253 3-24-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Man Sanchez [Signature] 1176445 3/24/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin [Signature] 1130526 3/28/11
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 3/29/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88454**

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>
88454	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (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-RTR2-11-0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88454	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>
88454	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88454
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: _____ 165.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 128.9 _____ 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: 88454

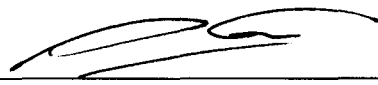
Section 3: Container Inventory and Comments (Detailed descriptions)
Metal banding material
Cut up liner lid, plastic bag
Absorbent, solidified material (sludge)

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):	127.1
Soils (S):	
Total WMP Weight:	128.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88454

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		4/12/11
Print Name	Signature	Date

ATTACHMENT 3

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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)	<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.:	S 831847	
	9.[14] Daughter Drum No.:	88454	

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UET

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 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>88954</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>2gal</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>8cups</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: <u>Ben Rodriguez</u>	<u>Ben Rodriguez</u>	<u>122723013/24/11</u>
		Operator (Print)	Signature	Z # Date
IPC-1	8.[83]	Reviewed By: <u>Alan Sanchez</u>	<u>Alan Sanchez</u>	<u>11764457 3/24/11</u>
		Supervision (Print)	Signature	Z # Date
	13.1[2][C]	Reviewed By: <u>Robert L. Gibbs</u>	<u>Robert L. Gibbs</u>	<u>11303524 3/28/11</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 Talbert</u>	<u>Louis Talbert</u>	<u>1219671 3/30/11</u>
		SOM or designee (print)	Signature	Z # Date

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**CONTAINERID: 88456**

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>
88456	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (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- 0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88456	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>
88456	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88456
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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:	_____ 90 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88456

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

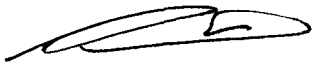
Section 4: Packaging Material and Waste Material Parameters

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):	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):	138.1
Soils (S):	
Total WMP Weight:	140.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88456

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		4/12/11
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 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: 3/24/10
- 8.[5] Parent Drum No.: 5850562
- 9.[14] Daughter Drum No.: 88456

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ATTACHMENT 3

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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): none
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"/> Yes Rigid liner contains an internal poly-liner <input checked="" 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: Hq 2 RCRA Designation: n/a RCRA Designation: n/a RCRA Designation: n/a
8.[71][E]	Daughter Drum No.: 88456 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: 3 gal
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: 13 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

8.[81] Performed By: Ben Rodriguez 10500 1227234 3/24/11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Dan Sanchez 1764457 3/24/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Giff 1764457 3/24/11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Salbert 121997 3-30-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88458**

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>
88458	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1381	NDA	Complete	2011-04-13
LA-RTR2-11- 0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88458	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>
88458	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88458
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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:	_____ 75 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88458

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):	133.5
Soils (S):	
Total WMP Weight:	135.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88458

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

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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: 3-28-11
- 8.[5] Parent Drum No.: 9850319
- 9.[14] Daughter Drum No.: P8458

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ATTACHMENT 3

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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): 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.: 052275 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.: 88458 Daughter Drum No.: N/A Daughter Drum No.: NA 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

IPC-1

8.[81] Performed By: Tony Sena Operator (Print) Signature: Tony Sena Z# 2373721 Date 3-28-11

IPC-1

8.[83] Reviewed By: Jon R. Cassie Supervision (Print) Signature: Jon R. Cassie Z# 234252 Date 3-28-11

13.1[2][C] Reviewed By: Robert L. Griffiths CSE (print) Signature: Robert L. Griffiths Z# 1130358 Date 3-29-11

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

13.1[2][H] Reviewed By: Louis Jalbert SOM or designee (print) Signature: Louis Jalbert Z# 120467 Date 3-30-11

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**CONTAINERID: 88460**

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>
88460	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1381	NDA	Complete	2011-04-13
LA-RTR2-11-0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88460	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>
88460	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88460
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: _____ 170.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 134.4 _____ 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)

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Waste Container ID: 88460

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding material

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

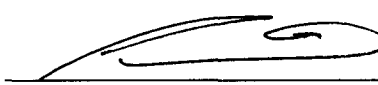
Section 4: Packaging Material and Waste Material Parameters

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):	132.6
Soils (S):	
Total WMP Weight:	134.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88460

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		4/12/11
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>3-28-11</u>		
	8.[5]	Parent Drum No.:	<u>8823993</u>		
	9.[14]	Daughter Drum No.:	<u>88460</u>		

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ATTACHMENT 3

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5823993 219
329-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes):
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>88460</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>9 LBS 9-20 48 5/8/11</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 Sem
Operator (Print)

Signature

237392 13-28-11
Z# Date

IPC-1

8.[83]

Reviewed By:

JOE R. CUSSE
Supervision (Print)

Signature

234252 13-28-11
Z# Date

13.1[2][C]

Reviewed By:

Robert L. Griffiths
CSE (print)

Signature

1130356 3-29-11
Z# Date

13.1[2][E]

Acceptance criteria satisfied:

☒ YES☐ NO

13.1[2][H]

Reviewed By:

Louis Jallier
SOM or designee (print)

Signature

112447 3-30-11
Z# Date

070

**CONTAINERID: 88462**

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>
88462	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA0777	NDA	Complete	2011-04-12
LA-RTR2-11- 0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88462	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>
88462	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88462
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: _____ 178.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 142.4 _____ 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: 88462

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding material

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

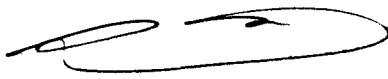
Section 4: Packaging Material and Waste Material Parameters

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):	140.6
Soils (S):	
Total WMP Weight:	142.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88462

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		4/12/11
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)	<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>3-28-11</u>	
	8.[5]	Parent Drum No.:	<u>3817169</u>	
	9.[14]	Daughter Drum No.:	<u>88462</u>	

055

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ATTACHMENT 3

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5817129 7217
3-29-11

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>88462</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>26.425/11 - 0 - 29.4</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>25 3/23/11 - 2 cups - 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/A

IPC-1

8.[81] Performed By: Tony Sena [Signature] 237392 13-28-11
Operator (Print) Signature Z# Date

IPC-1

8.[83] Reviewed By: John Cassee [Signature] 234252 13-28-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffiths [Signature] 113086 3-29-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Gilbert [Signature] 121997 3-30-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88466**

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>
88466	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1381	NDA	Complete	2011-04-13
LA-RTR2-11- 0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88466	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>
88466	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88466
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: <u>168.0</u> kg. Tare Wt: <u>36.1</u> kg. Net Wt: <u>131.9</u> kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	<u>90</u> %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88466

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal closure ring

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

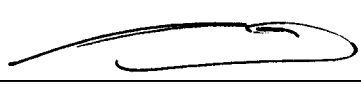
Section 4: Packaging Material and Waste Material Parameters

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):	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):	129.6
Soils (S):	
Total WMP Weight:	131.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88466

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		4/12/11
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>3-28-11</u>		
	8.[5]	Parent Drum No.:	<u>S850539</u>		
	9.[14]	Daughter Drum No.:	<u>88466</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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5850539 ²²⁷ 3-29-11

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>10-8</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>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>88466</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 Sene [Signature] 282392 3-28-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Joel Cassel [Signature] 284252 3/28/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin [Signature] 1130356 3-29-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Jallart [Signature] 1181447 3-30-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88468**

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>
88468	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (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-RTR2-11-0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88468	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>
88468	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88468
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88468

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):	151.5
Soils (S):	
Total WMP Weight:	153.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88468

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		4/12/11
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 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:

3/28/11

8.[5]

Parent Drum No.:

S 850510

9.[14]

Daughter Drum No.:

88468

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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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5850510 217
329-11

IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>Doc 7 Doc 8 Doc 9 Foot</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"/> Yes Rigid liner contains an internal poly-liner <input checked="" 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>88468</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: Bon Rodriguez [Signature] 10232013-28-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Jon R Cassee [Signature] 23425213-26-11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. G. Ellis [Signature] 113032613-29-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Jalbert [Signature] 11214473-30-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88472**

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>
88472	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1380	NDA	Complete	2011-04-12
LA-RTR2-11-0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88472	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>
88472	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88472
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: _____ 177.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 140.9 _____ 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:	_____ 70 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88472


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):	1.1
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):	138.8
Soils (S):	
Total WMP Weight:	140.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88472

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		4/12/11
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:	3-29-11	
	8.[5]	Parent Drum No.:	S850209	
	9.[14]	Daughter Drum No.:	88472	

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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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IPC-1

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, D010, 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>032-275</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>88472</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: Tony Sena [Signature] 237352 3-29-11
Operator (Print) Signature Z# Date

IPC-1

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

13.1[2][C] Reviewed By: Robert L. Griffiths [Signature] 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 [Signature] 114819 3/30/11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88476**

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>
88476	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1380	NDA	Complete	2011-04-12
LA-RTR2-11-0030	RTR	Complete	2011-04-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
88476	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>
88476	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-RTR2-11-0030
Examination Date:	04/12/2011
Waste Container ID:	88476
Video/Audio Recorded Media Number:	LA-RTR2-11-0030 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: _____ 203.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 167.4 _____ 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: 88476

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding material

Plastic bag, cut up liner lid

Absorbent, solidified material (sludge)

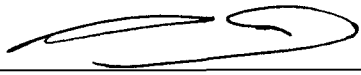
Section 4: Packaging Material and Waste Material Parameters

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):	0.5
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):	165.6
Soils (S):	
Total WMP Weight:	167.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: 88476

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		4/12/11
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>3-29-11</u>	
	8.[5]	Parent Drum No.:	<u>S800448</u>	
	9.[14]	Daughter Drum No.:	<u>88476</u>	

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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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ATTACHMENT 3

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5800448 Z11
3-30-11

Step	Condition
8.[19]	RCRA Designation (EPA Codes): <u>D007, D008, D009, F001, 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>NA</u> RCRA Designation: <u>N/A</u>
8.[71][E]	Daughter Drum No.: <u>88476</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 Sene [Signature] 237392 13-29-11
Operator (Print) Signature Z# Date

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

13.1[2][C] Reviewed By: Robert L. G. [Signature] [Signature] 1130396 3-30-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Chad M. Welsh [Signature] 114844 2/20/11
SOM or designee (print) Signature Z# Date

012

**CONTAINERID: 88488**

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>
88488	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1382	NDA	Complete	2011-04-14
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>
88488	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>
88488	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:	88488
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: 88488

Section 3: Container Inventory and Comments (Detailed descriptions)

Plastic bag, cut up liner lid

Absorbent, solidified material (sludge)

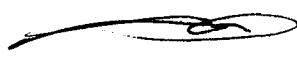
Section 4: Packaging Material and Waste Material Parameters

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):	175.6
Soils (S):	
Total WMP Weight:	176.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88488

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>3-30-11</u>		
	8.[5]	Parent Drum No.:	<u>5823996</u>		
	9.[14]	Daughter Drum No.:	<u>88488</u>		

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ATTACHMENT 3

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5823 996 ²¹⁷
03-31-11

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>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>88488</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 Gal.</u>
8.[75]	<input checked="" type="checkbox"/> Amount of absorbent used: <u>14 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

IPC-1

8.[81] Performed By: Timmy Romero [Signature] 234253 3-30-11
Operator (Print) Signature Z# Date

8.[83] Reviewed By: Jon R Casse [Signature] 234252 3/30/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Giffis [Signature] 1130352 03-31-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Jalbers [Signature] 1124471 4-4-11
SOM or designee (print) Signature Z# Date

072

**CONTAINERID: 88490**

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>
88490	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1382	NDA	Complete	2011-04-14
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>
88490	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>
88490	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:	88490
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: _____ 180.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 143.9 _____ kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - No Liner Lid
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	_____ 95 _____ %

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 2 of 3

Waste Container ID: 88490

Section 3: Container Inventory and Comments (Detailed descriptions)

Scrap metal, 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):	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):	141.6
Soils (S):	
Total WMP Weight:	143.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88490

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:	3-30-11		
	8.[5]	Parent Drum No.:	5824348		
	9.[14]	Daughter Drum No.:	88490		

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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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5824348 237
03-31-11

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>88490</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. 0 cups TR3-30-11</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 TT 234253 3-30-11
Operator (Print) Signature Z# Date

IPC-1 8.[83] Reviewed By: Jack Cassel Jack Cassel 234252 3/30/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 1130356 03-31-11
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO 4-4-11

13.1[2][H] Reviewed By: Louis Salbert Louis Salbert 121457 4-4-11
SOM or designee (print) Signature Z# Date

074

**CONTAINERID: 88492**

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>
88492	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1382	NDA	Complete	2011-04-14
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>
88492	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>
88492	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:	88492
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: _____ 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: 88492

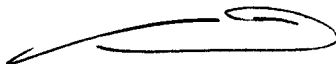
Section 3: Container Inventory and Comments (Detailed descriptions)
Metal closure ring
Plastic bag, cut up liner lid
Absorbent, solidified material (sludge)

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):	181.6
Soils (S):	
Total WMP Weight:	183.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88492

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>3-30-11</u>		
	8.[5]	Parent Drum No.:	<u>588127</u>		
	9.[14]	Daughter Drum No.:	<u>88492</u>		

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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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5881127 218
23-31-11

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>Q37275</u> Cal. Expiration Date: <u>6-11-11</u> Range in ft-lb: <u>10-80</u> Tolerance: <u>+ - 3 lb</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>88492</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 TL Romero 234253 | 3-30-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Jon R Cassel Jon R Cassel 234252 | 3/30/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffin Robert L. Griffin 113038 | 03-31-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Louis Jalbert Louis Jalbert 124997 | 4-4-11
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88494**

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>
88494	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1382	NDA	Complete	2011-04-14
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>
88494	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>
88494	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:	88494
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: _____ 185.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 148.9 _____ 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: 88494

Section 3: Container Inventory and Comments (Detailed descriptions)

Saws all blade at 6 inches

Plastic bag, cut up liner lid

Absorbent, solidified material (sludge)

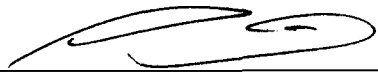
Section 4: Packaging Material and Waste Material Parameters

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):	147.5
Soils (S):	
Total WMP Weight:	148.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88494

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>Philip Dillard</u>		<u>4/14/11</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:	<u>3-30-11</u>	
	8.[5]	Parent Drum No.:	<u>5822424</u>	
	9.[14]	Daughter Drum No.:	<u>58494</u>	

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ATTACHMENT 3

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5822424 1229
03-2-11

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>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>88494</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>8 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 1 3-30-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Jon R Cassel Jon R Cassel 234252 1 3/30/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffiths Robert L. Griffiths 1130326 03-31-11
CSE (print) Signature Z# Date

13.1[2][E] Acceptance criteria satisfied: ☒ YES ☐ NO 11-4-11

13.1[2][H] Reviewed By: Louis Jalbert Louis Jalbert 1219671 4-4-11
SOM or designee (print) Signature Z# Date

066

**CONTAINERID: 88495**

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>
88495	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1382	NDA	Complete	2011-04-14
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>
88495	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>
88495	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:	88495
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: _____ 167.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 130.9 _____ 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: 88495

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding material, scrap metal, metal closure ring

Plastic bag, cut up liner lid

Absorbent, solidified material (sludge)

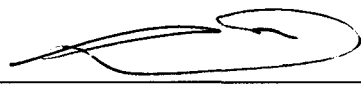
Section 4: Packaging Material and Waste Material Parameters

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):	1.6
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):	128.0
Soils (S):	
Total WMP Weight:	130.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88495

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>3-30-11</u>	
	8.[5]	Parent Drum No.:	<u>5860354</u>	
	9.[14]	Daughter Drum No.:	<u>88495</u>	

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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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ATTACHMENT 3

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5860354 229
03-31-11

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 lb</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>88495</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: Timmy Romero 734253 3-30-11
Operator (Print) Signature Z# Date

IPC-1 | 8.[83] Reviewed By: Jon R. Cassel 234252 3/30/11
Supervision (Print) Signature Z# Date

13.1[2][C] Reviewed By: Robert L. Griffiths 1130756 03-31-11
CSE (print) Signature Z# Date

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

13.1[2][H] Reviewed By: Cous J. J. J. 124914-4-9
SOM or designee (print) Signature Z# Date

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**CONTAINERID: 88599**

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>
88599	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 4 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1381	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>
88599	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>
88599	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:	88599
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: _____ 207.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 170.9 _____ 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: 88599

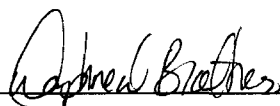
Section 3: Container Inventory and Comments (Detailed descriptions)
Metal banding
Cut up liner lid, plastic bag
Absorbent, solidified material (sludge)

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):	1.0
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):	168.3
Soils (S):	
Total WMP Weight:	170.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88599

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]	(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-CS/A-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/-11-11	
8.[5]	Parent Drum No.:	S 814139	
9.[14]	Daughter Drum No.:	88599	

039

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>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 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>H2</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/c 5814139 12-11

IPC-1	8.[81]	Performed By: <u>Ben Rodriguez</u>	<u>1037</u>	<u>1227236</u>	<u>4-11-11</u>
		Operator (Print)	Signature	Z #	Date
IPC-1	8.[83]	Reviewed By: <u>Anna Sanchez</u>	<u>1176447</u>	<u>4-11-11</u>	
		Supervision (Print)	Signature	Z #	Date
	13.1[2][C]	Reviewed By: <u>Robert L. Griffiths</u>	<u>1130350</u>	<u>4-12-11</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. Walsh</u>	<u>114841</u>	<u>4-12-11</u>	
		SOM or designee (print)	Signature	Z #	Date

040

**CONTAINERID: 88605**

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>
88605	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 77 (none)		
					LA-MIN03-NC.001			

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1381	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>
88605	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>
88605	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:	88605
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: _____ 213.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 177.4 _____ 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: 88605

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

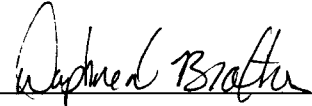
Section 4: Packaging Material and Waste Material Parameters

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):	1.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	175.8
Soils (S):	
Total WMP Weight:	177.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88605

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] (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

4.3[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 ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ 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 ☒ 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

4.3[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:

4-11-11

8.[5]

Parent Drum No.:

S 800599

9.[14]

Daughter Drum No.:

88605

021

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): 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.[36]	<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.: 88605 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: 4 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 5820599 RPS 4-12-11

IPC-1	8.[81]	Performed By:	Ben Rodriguez	10822	1207231	4-11-11
		Operator (Print)	Signature	Z #	Date	
IPC-1	8.[83]	Reviewed By:	Chris Jones	10822	171445	4/11/11
		Supervision (Print)	Signature	Z #	Date	
	13.1[2][C]	Reviewed By:	Robert L. Griffiths	10822	1307321	4-12-11
		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:	Graham Welch	10822	110844	4-13-11
		SOM or designee (print)	Signature	Z #	Date	

022

**CONTAINERID: 88612**

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>
88612	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 2 (RELEASED) 77 (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>
88612	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>
88612	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:	88612
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: _____ 158.5 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 122.4 _____ 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: 88612

Section 3: Container Inventory and Comments (Detailed descriptions)

Metal banding

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

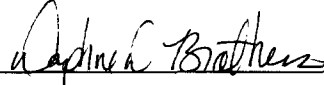
Section 4: Packaging Material and Waste Material Parameters

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):	0.2
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):	120.6
Soils (S):	
Total WMP Weight:	122.4

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88612

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]	(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:	4-11-11	
	8.[5] Parent Drum No.:	S 831531	
	9.[14] Daughter Drum No.:	88612	

087

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
8.119	RCRA Designation (EPA Codes): <u>000 7 000 8 000 9 001 001</u>
8.121	<input checked="" type="checkbox"/> Rigid Liner Vented <input type="checkbox"/> Rigid Liner NOT Vented
8.126	<input checked="" type="checkbox"/> Condition of the rigid liner (warped, cracked, broken): <u>Good</u>
8.127[B]	<input type="checkbox"/> Liner is NOT in good condition for rigging (Drum Closed) <input checked="" type="checkbox"/> N/A (if not applicable)
8.129	<input checked="" type="checkbox"/> Yes Rigid liner contains an internal poly liner <input type="checkbox"/> N/A (if not applicable)
8.132	<input checked="" type="checkbox"/> Record torque wrench information: HT&L No: <u>032-10</u> Calibration Date: <u>10/1/10</u> Range in ft-lb: <u>14-65</u> Torque value: <u>12</u>
8.133	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Torque value for tightening wrench is within the specified range
8.135	<input checked="" type="checkbox"/> Torque the lifting device between 10-12 ft-lb Record actual torque value: <u>12</u>
8.137	<input checked="" type="checkbox"/> Torque the lifting device between 10-12 ft-lb Record actual torque value: <u>12</u>
8.141[D]	RCRA Designation: <u>14-7</u> RCRA Designation: <u>14-7</u> RCRA Designation: <u>14-7</u> RCRA Designation: <u>14-7</u>
8.141[E]	Daughter Drum No: <u>14-7</u> Daughter Drum No: <u>14-7</u> Daughter Drum No: <u>14-7</u> Daughter Drum No: <u>14-7</u>
8.144	<input checked="" type="checkbox"/> Total amount of liquid formed: <u>2 cups</u>
8.145	<input checked="" type="checkbox"/> Amount of absorbent used: <u>2 cups</u>
8.148	<input checked="" type="checkbox"/> Rigid liner lid can not be closed and placed into the rigid liner drum with other decontamination materials

Comments:

8.141 Performed By: Robert L. Gullett Signature: Robert L. Gullett Z# 1130352 Date 11/14/10

8.145 Reviewed By: Robert L. Gullett Signature: Robert L. Gullett Z# 1130352 Date 11/14/10

8.148 Reviewed By: Robert L. Gullett Signature: Robert L. Gullett Z# 1130352 Date 11/14/10

8.141[E] Acceptance criteria satisfied ☒ YES ☐ NO

8.141[H] Reviewed by: Paul M. Walsh Signature: Paul M. Walsh Z# 14844 Date 4/13/11

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**CONTAINERID: 88616**

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>
88616	55G		NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 1 (RELEASED) 77 (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>
88616	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>
88616	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:	88616
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: _____ 227.0 _____ kg. Tare Wt: _____ 36.1 _____ kg. Net Wt: _____ 190.9 _____ 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: 88616

Section 3: Container Inventory and Comments (Detailed descriptions)

Cut up liner lid, plastic bag

Absorbent, solidified material (sludge)

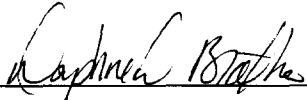
Section 4: Packaging Material and Waste Material Parameters

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):	1.6
Organic Matrix (OR):	
Inorganic Matrix (IN):	189.3
Soils (S):	
Total WMP Weight:	190.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

Page 3 of 3

Waste Container ID: 88616

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] (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
- 4.3[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 ≤ 1 gal: (SR 4.7.6) ☒ SAT ☐ UNSAT
- 4.3[8][D] (S) 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 NIOSH 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] (S) No flammable liquids are stored within the SSSR Process Area Boundaries: (SR 4.7.5) ☒ SAT ☐ UNSAT ☐ N/A
- 8.[18] Date: 4-11-11
- 8.[5] Parent Drum No.: 3822347
- 9.[14] Daughter Drum No.: 68616

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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>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>88616</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>5 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/c

5822347 215
4-12-11

IPC-1	8.[81]	Performed By: <u>Ben Rodriguez</u>	<u>103 R</u>	<u>11272301</u>	<u>4-11-11</u>
		Operator (Print)	Signature	Z#	Date
IPC-1	8.[83]	Reviewed By: <u>Cesar Sanchez</u>	<u>11272301</u>	<u>11272301</u>	<u>4-11-11</u>
		Supervision (Print)	Signature	Z#	Date
	13.1[2][C]	Reviewed By: <u>Robert L. Giffis</u>	<u>11272301</u>	<u>11272301</u>	<u>4-12-11</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 N. Walsh</u>	<u>Gail N. Walsh</u>	<u>114844</u>	<u>4-13-11</u>
		SOM or designee (print)	Signature	Z#	Date

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