



Department of Energy RECEIVED

Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221 MAR 5 2014
MAR - 3 2014

ENTERED

Mr. John E. Kieling, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

NMED
Hazardous Waste Bureau

Subject: Shipment of Containers from Waste Stream LA-MIN03-NC.001 (Lot 87)

Dear Mr. Kieling:

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

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

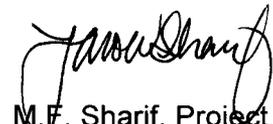
Enclosed is a compact disk (CD) containing the required documents for 12 containers (Lot 87) from waste stream LA-MIN03-NC.001. Each container listed has its Real-Time Radiography (RTR) Batch Data Report, Nonconformance Report disposition information, and Prohibited Item Disposition (PID) form. The PID form identifies parent container and the daughter containers if a daughter container has been produced. These daughter containers passed RTR and do not have a nonconformance report. The PID does identify that the daughter containers have been remediated for liquids.

We certify under penalty of law that this document and all attachments were prepared under my 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.

If you have questions, please contact Mr. J. R. Stroble, Director of the Office of the National TRU Program, at (575) 234-7313.

Sincerely,


Jose R. Franco, Manager
Carlsbad Field Office


M.F. Sharif, Project Manager
Nuclear Waste Partnership LLC

Enclosure



Mr. John E. Kieling

-2-

MAR - 3 2014

cc: w/enclosure

S. Holmes, NMED

* ED

T. Kliphuis, NMED

ED

R. Maestas, NMED

ED

C. Smith, NMED

ED

CBFO M&RC

*ED denotes electronic distribution

LA-MIN03-NC.001 Containers, Lot 87	
Container ID	RTR BDR
68765	LA-HERTR-14-0010
68874	LA-HERTR-14-0010
68878	LA-HERTR-14-0010
68703	LA-RTR2-14-0008
S834911	LA-RTR2-14-0008
68872	LA-RTR2-14-0009
68873	LA-RTR2-14-0009
68875	LA-RTR2-14-0009
68876	LA-RTR2-14-0009
68767	LA-RTR2-14-0011
68769	LA-RTR2-14-0011
68773	LA-RTR2-14-0012

CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID:	LANL
Batch Number:	LA-RTR2-14-0008
Examination Date:	1/21/2014
Waste Container ID:	68703
Video/Audio Recorded Media Number:	LA-RTR2-14-0008 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 14
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes NCR No.: <u>N/A</u> NCR No.: <u>N/A</u>

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>188.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>153.9</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input checked="" type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Punctured: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Mechanical Vent: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Fiberboard Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lead Lined: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

Waste Container ID: 68703

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C: Cardboard	
R:	
XPM: Plastic bag, 90 mil liner lid	
OR:	
IN: Homogeneous solids	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	1.0
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	150.9
Soils (S):	
Total WMP Weight:	153.9

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Page 3 of 3

Waste Container ID: 68703

Section 5: RTR Summary

(Questions answered "Yes" will be explained in the Comment block, except for Question 1)

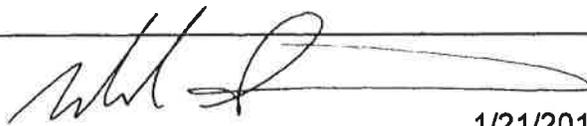
Is there observable liquid?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Comments: N/A

RTR Operator:

Michael Simmons

Print Name



Signature

1/21/2014

Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 68703

4.3[8][A] (\$) Total volume of flammable liquids within the SSSR AREA boundaries for operation and maintenance activities is ≤ 7 gal: [LCO 3.3.1(1a)] SAT UNSAT

CS 4.3[8][B] (*) Following requirements are satisfied: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
• Drums are 55 gal or larger for remediation SAT UNSAT
• Each drum is ≤ 200 FGE SAT UNSAT

5.[3] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) RD 183695 12/21/13
Initials/Z# Date

5.[7] Remediation start date: 12/21/13

5.[8] RCRA designation (EPA Codes): D007A, D008A, D009B, F001H

5.[21] Rigid liner condition (e.g., warped, cracked, or breaks): SAT

5.[22] Rigid liner can be rigged: YES NO

5.[24][F] Liquid (top of drum) pH: N/A

5.[25] Rigid liner contains an internal poly-liner: YES NO

5.[29] Torque wrench information:
MT&E No: 040328
Cal. Expiration Date: 06/21/14
Range in ft-lb: 10-80
Tolerance: ±3% cw, ±6% ccw

5.[30] Torque value for the torque wrench is within the calibrated range: YES NO

UET

ATTACHMENT 1
 Page 2 of 3

5.[6] Parent Drum No.: 68703

5.[32] Lifting device fasteners torque value (≥ 12-ft-lb): 12 ft-lb

7.[7] (\$) SAC 5.7.12 non-compliant containers are present:
 (SAC 5.7.12) YES NO N/A

7.[10] Containerized liquids present: YES NO N/A

7.[12][D]/[E] Containerized liquid: N/A

Liquid Volume/Unit				
Liquid pH				

5.[61] Daughter Drum No.: N/A

CONTAINER PLACED BACK INTO 68703 9/21/13

5.[62] Lifting device fasteners torque value (≥ 12-ft-lb): 12 ft-lb

5.[68][C] Secondary daughter drum No.: N/A

5.[69] Liquid pH: N/A

5.[72] Total amount of liquid found: 0 gal

5.[73] Amount of absorbent used: 1/2 lb

5.[79] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
FD 183693 11/21/13
 Initials/Z# Date

CS

5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
 SAT UNSAT

UET

ATTACHMENT 1

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5.[6] Parent Drum No.: 68703

Comments: Liner pulled from drum. No liquid found
between liner and drum. 2 cups absorbant added to
bag containing partially solidified sludge. Drilled & Drained. JR 12-21-13

9.1[1] Performed By: Philip Quintana Philip Quintana 1183693 11/2/21/13
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jens R Cassel Jens R Cassel 234252 12-21-13
Supervision (Print) Signature Z# Date

9.1[3][B] Acceptance criteria satisfied: YES NO

9.1[3][E] Approved By: Pat O'Grady Pat O'Grady 11513581 1-24-14/1335
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68703

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>LOT Excluded</u>
68703	55G	LA00000068703	NO WDS STATUS	NO	L A-MIN03-NC.001	L A-MIN03-NC.001- 87 (L A-MIN03-NC.001 -Lot 87)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1897	NDA	Complete	2014-01-24
LA-RTR2-14- 0008	RTR	Complete	2014-01-21

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68703	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68703	NO DATA			

CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID:	LANL
Batch Number:	LA-HERTR-14-0010
Examination Date:	1/23/2014
Waste Container ID:	68765
Video/Audio Recorded Media Number:	LA-HERTR-14-0010 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 14
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes NCR No.: <u>N/A</u> NCR No.: <u>N/A</u>

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>172.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>137.9</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input checked="" type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Punctured: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Mechanical Vent: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Fiberboard Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lead Lined: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	80 %

CCP Radiography Data Sheet

Waste Container ID: 68765

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	
R:	
XPM: 90 mil liner lid, plastic bags	
OR:	
IN: Homogeneous solids	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	5.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	132.9
Soils (S):	
Total WMP Weight:	137.9

CCP Radiography Data Sheet

Waste Container ID: 68765

Section 5: RTR Summary

(Questions answered "Yes" will be explained in the Comment block, except for Question 1)

Is there observable liquid?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

CH or RH TRAMPAC

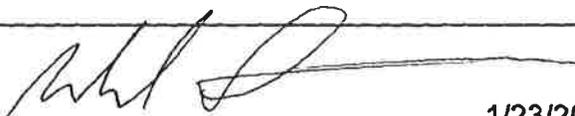
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Comments: N/A

RTR Operator:

Michael Simmons

Print Name



Signature

1/23/2014

Date

ATTACHMENT 1
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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

- 5.[6] Parent Drum No.: 5834956
- 4.3[8][A] (\$) Total volume of flammable liquids within the SSSR AREA boundaries for operation and maintenance activities is \leq 7 gal: [LCO 3.3.1(1a)] SAT UNSAT
- CS 4.3[8][B] (*) Following requirements are satisfied: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
- Drums are 55 gal or larger for remediation SAT UNSAT
 - Each drum is \leq 200 FGE SAT UNSAT
 - Total FGE value of drums to be placed in a daughter SWB is less than or equal 325 FGE (Section 6 only) SAT UNSAT N/A
- IPC-2
- 5.[3] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) JL/2664361 1-20-14
Initials/Z# Date
- 5.[7] Remediation start date: 1-20-14
- 5.[8] RCRA designation (EPA Codes): D007, D008, D009, F001
- 5.[21] Rigid liner condition (e.g., warped, cracked, or breaks): Intact
- 5.[22] Rigid liner can be rigged: YES NO
- 5.[24][F] Liquid (top of drum) pH: N/A
- 5.[25] Rigid liner contains an internal poly-liner: YES NO
- 5.[29] Torque wrench information:
MT&E No: 021151
Cal. Expiration Date: 08-5-14
Range in ft-lb: 10-80
Tolerance: $\pm 3\%$ ccw $\pm 6\%$ ccw
- 5.[30] Torque value for the torque wrench is within the calibrated range: YES NO

UET

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: 5834956

5.[32] Lifting device fasteners torque value (\geq 12-ft-lb): 12 ft-lb

7.[7] (\$) SAC 5.7.12 non-compliant containers are present:
 (SAC 5.7.12) YES NO N/A

7.[10] Containerized liquids present: YES NO N/A

7.[12][D]/[E] Containerized liquid: N/A

Liquid Volume/Unit	200 mL	200 ml		
Liquid pH	8.9	8.2		

5.[61] Daughter Drum No.: NA

5.[62] Lifting device fasteners torque value (\geq 12-ft-lb): NA ft-lb

5.[68][C] Secondary daughter drum No.: LA00000068766

5.[69] Liquid pH: 8

5.[72] Total amount of liquid found: 2 gal

5.[73] Amount of absorbent used: 2 lb

5.[79] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
 JPD 11668 1-20-14
 Shv 187001 1-20-14
 Initials/Z# Date

CS

5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049)

SAT UNSAT

UET

ATTACHMENT 1

Page 3 of 3

5.[6] Parent Drum No.:

5834956

Comments:

12 Holes Drilled in Rigid Liner. Rigid Liner + Sludge placed into container LA00000068765. Two containers containing 200 mL each found and remediated. All liquids absorbed. Absorbed liquid and RAO Transil placed into daughter drum number LA00000068766. 1-20-15

No Further Comments

9.1[1]

Performed By:

John R. Green
Operator (Print)

[Signature]
Signature

116659 1-20-15
Z# Date

9.1[2]

Reviewed By:

Joe Wise
Supervision (Print)

[Signature]
Signature

2243901 1-20-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES

NO

9.1[3][E]

Approved By:

Robert U. Wood
SOM or designee (print)

[Signature]
Signature

1224934 1-20-14
Z# Date/Time 1617



CONTAINERID: 68765

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>LOT Excluded</u>
68765	55G	LA00000068765	NO WDS STATUS	NO	L.A-MIN03-NC.001	L.A-MIN03-NC.001- 87 (L.A-MIN03-NC.001 -Lot 87)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1897	NDA	Complete	2014-01-24
LA-HERTR-14- 0010	RTR	Complete	2014-01-23

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68765	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68765	NO DATA			

CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID:	LANL
Batch Number:	LA-RTR2-14-0011
Examination Date:	1/27/2014
Waste Container ID:	68767
Video/Audio Recorded Media Number:	LA-RTR2-14-0011 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 14
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes NCR No.: <u>N/A</u> NCR No.: <u>N/A</u>

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>176.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>141.9</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input checked="" type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Punctured: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Mechanical Vent: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Fiberboard Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lead Lined: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	90 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Page 2 of 3

Waste Container ID: 68767

Section 3: Container Inventory and Comments

(Detailed descriptions)

IM: Scrap metal

AM:

OM:

OI:

C:

R:

XPM: Plastic sheeting, plastic lid

OR:

IN: Homogeneous solids

S:

Section 4: Packaging Material and Waste Material Parameters

Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
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):	4.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	135.9
Soils (S):	
Total WMP Weight:	141.9

CCP Radiography Data Sheet

Waste Container ID: 68767

Section 5: RTR Summary

(Questions answered "Yes" will be explained in the Comment block, except for Question 1)

Is there observable liquid?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Comments: N/A

RTR Operator:

Benito Maestas
Print Name


Signature

1/27/2014
Date

ATTACHMENT 1
Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: S 814063

4.3[8][A] (\$ Total volume of flammable liquids within the SSSR AREA boundaries for operation and maintenance activities is ≤ 7 gal: [LCO 3.3.1(1a)] SAT UNSAT

(CS) 4.3[8][B] (*) Following requirements are satisfied: (NCS-CSLA-11-043 and NCS-CSLA-13-049)

- Drums are 55 gal or larger for remediation SAT UNSAT
- Each drum is ≤ 200 FGE SAT UNSAT
- Total FGE value of drums to be placed in a daughter SWB is less than or equal 325 FGE (Section 6 only) SAT UNSAT N/A

IPC-2

5.[3] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) for 254390 1-21-14
R 187001 11-21-14
Initials/Z# Date

5.[7] Remediation start date: 1-21-14

5.[8] RCRA designation (EPA Codes): D007 D008 D009 F001

5.[21] Rigid liner condition (e.g., warped, cracked, or breaks): INTACT

5.[22] Rigid liner can be rigged: YES NO

5.[24[F] Liquid (top of drum) pH: 7

5.[25] Rigid liner contains an internal poly-liner: YES NO

5.[29] Torque wrench information:
MT&E No: 021151
Cal. Expiration Date: 08-05-14
Range in ft-lb: 10-80
Tolerance: ±3%ccw ±6%ccw

5.[30] Torque value for the torque wrench is within the calibrated range: YES NO

UET

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: 5814063

5.[32] Lifting device fasteners torque value (≥ 12-ft-lb): 12 ft-lb

7.[7] (\$) SAC 5.7.12 non-compliant containers are present:
 (SAC 5.7.12) YES NO N/A

7.[10] Containerized liquids present: YES NO N/A

7.[12][D]/[E] Containerized liquid: N/A

Liquid Volume/Unit	1/2 GAL			
Liquid pH	14			

5.[61] Daughter Drum No.: NA

5.[62] Lifting device fasteners torque value (≥ 12-ft-lb): NA ft-lb

5.[68][C] Secondary daughter drum No.: LA00000068768

5.[69] Liquid pH: 11

5.[72] Total amount of liquid found: 2.5 GAL gal

5.[73] Amount of absorbent used: 1.30 lb

5.[79] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
 Initials/Z# JW Date 1-21-14
~~AW RW 16200~~ / 1-21-14

CS

5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
 SAT UNSAT

UET

ATTACHMENT 1
Page 3 of 3

5.[6]

Parent Drum No.:

5814063

Comments: 12 Holes Drilled in Rigid Liner, Lid and Bottom Removed
No liquid can be retained. Rigid Liner and remaining contents
placed into container LA00000068767. Empty containers, cut
tubing and absorbed liquid placed into container LA00000068768.
Along with RAD trash associated with process. All liquids
absorbed.

9.1[1]

Performed By:

Joe Wise
Ryan Wells
Operator (Print)

Joe Wise
[Signature]
Signature

254390 1-21-14
1187001 1-21-14
Z# Date

9.1[2]

Reviewed By:

Joe Wise
Supervision (Print)

Joe Wise
[Signature]
Signature

254390 1-21-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES NO

9.1[3][E]

Approved By:

Robert V Hardie
SOM or designee (print)

[Signature]
Signature

1224987 1-21-14
Z# Date/Time

1840



CONTAINERID: 68767

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>LOT Excluded</u>
68767	55G	LA00000068767	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001-Lot 87 (LA-MIN03-NC.001 -Lot 87)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA1261	NDA	Complete	2014-01-30
LA-RTR2-14-0011	RTR	Complete	2014-01-27

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68767	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68767	NO DATA			

CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID:	LANL
Batch Number:	LA-RTR2-14-0011
Examination Date:	1/27/2014
Waste Container ID:	68769
Video/Audio Recorded Media Number:	LA-RTR2-14-0011 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 14
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes NCR No.: <u>N/A</u> NCR No.: <u>N/A</u>

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>175.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>141.4</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input checked="" type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Punctured: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Mechanical Vent: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Fiberboard Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lead Lined: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

Waste Container ID: 68769

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C: Cardboard	
R:	
XPM: Plastic lid	
OR:	
IN: Homogeneous solids	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	1.0
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	138.4
Soils (S):	
Total WMP Weight:	141.4

CCP Radiography Data Sheet

Waste Container ID: 68769

Section 5: RTR Summary

(Questions answered "Yes" will be explained in the Comment block except for Question 1)

Is there observable liquid?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Comments: N/A	
RTR Operator:	
Benito Maestas	
Print Name	Signature
	1/27/2014
	Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: S 816109

4.3[8][A] (\$) Total volume of flammable liquids within the SSSR AREA boundaries for operation and maintenance activities is ≤ 7 gal: [LCO 3.3.1(1a)] SAT UNSAT

(CS) 4.3[8][B] (*) Following requirements are satisfied: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
• Drums are 55 gal or larger for remediation SAT UNSAT
• Each drum is ≤ 200 FGE SAT UNSAT
• Total FGE value of drums to be placed in a daughter SWB is less than or equal 325 FGE (Section 6 only) SAT UNSAT N/A

IPC-2

5.[3] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) PQ 183693 / 1/22/14
Initials/Z# Date

5.[7] Remediation start date: 01/22/14

5.[8] RCRA designation (EPA Codes): D007A, D008, D009, F001H

5.[21] Rigid liner condition (e.g., warped, cracked, or breaks): SAT

5.[22] Rigid liner can be rigged: YES NO

5.[24][F] Liquid (top of drum) pH: N/A

5.[25] Rigid liner contains an internal poly-liner: YES NO

5.[29] Torque wrench information:
MT&E No: 021151
Cal. Expiration Date: 8/5/14
Range in ft-lb: 10-80
Tolerance: ± 3% cw, ± 6% ccw

5.[30] Torque value for the torque wrench is within the calibrated range: YES NO

UET

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: 5816109

5.[32] Lifting device fasteners torque value (≥ 12-ft-lb): 12 ft-lb

7.[7] (\$) SAC 5.7.12 non-compliant containers are present:
(SAC 5.7.12) YES NO N/A

7.[10] Containerized liquids present: YES NO N/A

7.[12][D]/[E] Containerized liquid: N/A

Liquid Volume/Unit	1 cup	N/A	N/A	N/A
Liquid pH	13	N/A	N/A	N/A

5.[61] Daughter Drum No.: ^{4/1-22-14}
~~LAB00000068769~~ N/A

5.[62] Lifting device fasteners torque value (≥ 12-ft-lb): ^{4/1-22-14}
12 N/A ft-lb

5.[68][C] Secondary daughter drum No.: N/A

5.[69] Liquid pH: 11

5.[72] Total amount of liquid found: 2.125 gal

5.[73] Amount of absorbent used: 4 lb

5.[79] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A

PQ 183693 1/1/22/14
Initials/Z# Date

CS

5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049)

SAT UNSAT

UET

ATTACHMENT 1
Page 3 of 3

5.[6]

Parent Drum No.:

S 816109

Comments:

Hole drilled in Liner at bottom of drum. Liner unable to retain liquid. 1 pint sized container found with 1 cup liquid. Liquid solidified. PO 1/22/14 ^{PO 1-24-14} Secondary drum # LA0000068769 primary

No further entries PO

9.1[1]

Performed By: Philip Quintana
Operator (Print)

Philip Quintana
Signature

118369511/22/14
Z# Date

9.1[2]

Reviewed By: Jos R Cassel
Supervision (Print)

Jos R Cassel
Signature

234252 1-22-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES

NO

9.1[3][E]

Approved By: Robert V Hardin
SOM or designee (print)

Robert V Hardin
Signature

122493 1-22-14
Z# Date/Time

1/11



CONTAINERID: 68769

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>LOT Excluded</u>
68769	55G	LA00000068769	NO WDS STATUS	NO	L.A-MIN03-NC.001	L.A-MIN03-NC.001- 87 (L.A-MIN03-NC.001 -Lot 87)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA1259	NDA	Complete	2014-01-28
LA-RTR2-14- 0011	RTR	Complete	2014-01-27

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68769	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>
68769	NO DATA				

CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID:	LANL
Batch Number:	LA-RTR2-14-0012
Examination Date:	1/29/2014
Waste Container ID:	68773
Video/Audio Recorded Media Number:	LA-RTR2-14-0012 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 14
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes NCR No.: <u>N/A</u> NCR No.: <u>N/A</u>

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>161.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>127.4</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input checked="" type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Punctured: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Mechanical Vent: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Fiberboard Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lead Lined: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	85 %

CCP Radiography Data Sheet

Waste Container ID: 68773

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	
R:	
XPM: Plastic sheeting	
OR:	
IN: Homogeneous solids	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	125.4
Soils (S):	
Total WMP Weight:	127.4

CCP Radiography Data Sheet

Waste Container ID: 68773

Section 5: RTR Summary		
(Questions answered "Yes" will be explained in the Comment block, except for Question 1)		
Is there observable liquid?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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"/> Yes <input checked="" type="checkbox"/> No	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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"/> Yes <input checked="" type="checkbox"/> No	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Comments: N/A		
RTR Operator:		
Michael Simmons _____ Print Name	 _____ Signature	1/29/2014 _____ Date

TA-54 Area G Sludge Remediation SSSR Activities

UET

ATTACHMENT 1
 Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

- 5.[6] Parent Drum No.: 5841588
- 4.3[8][A] (5) Total volume of flammable liquids within the SSSR AREA boundaries for operation and maintenance activities is ≤ 7 gal: [LCO 3.3.1(1a)] SAT UNSAT
- CS 4.3[8][B] (*) Following requirements are satisfied: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
- Drums are 55 gal or larger for remediation SAT UNSAT
 - Each drum is ≤ 200 FGE SAT UNSAT
 - Total FGE value of drums to be placed in a daughter SWB is less than or equal to 325 FGE (Section 6 only) SAT UNSAT N/A
- 5.[3] (8) STATIONARY FIRE WATCH established. (SAC 5.7.17) IL/26888/1-25-14
 Initials/ID# Date
- 5.[7] Remediation start date: 1-25-2014
- 5.[8] RCRA designation (EPA Codes): F001, D007, D008, D009
- 5.[21] Rigid liner condition (e.g., warped, cracked, or breaks): Intact
- 5.[22] Rigid liner can be rigged: YES NO
- 5.[24][F] Liquid (top of drum) pH: 7
- 5.[25] Rigid liner contains an internal poly-liner: YES NO
- 5.[29] Torque wrench information:
 MT&E No: 021151
 Cal. Expiration Date: 08-05-14
 Range in ft-lb: 10-80
 Tolerance: ± 3% over + 6% over
- 5.[30] Torque value for the torque wrench is within the calibrated range: YES NO

UET

ATTACHMENT I
 Page 2 of 3

5.[6] Parent Drum No.: 5841588

5.[32] Lifting device fasteners torque value (≥ 12-ft-lb): 12 ft-lb

7.[7] (S) SAC 5.7.12 non-compliant containers are present: YES NO N/A

7.[10] Contaminized liquids present: YES NO N/A

7.[12](D)/(E) Containerized liquid: N/A

Liquid Volume/Unit	Liquid pH
4.02	7

5.[61] Daughter Drum No.: N/A

5.[62] Lifting device fasteners torque value (≥ 12-ft-lb): N/A ft-lb

5.[68](C) Secondary daughter drum No.: LA00000068780

5.[69] Liquid pH: N/A

5.[72] Total amount of liquid found: N/A gal

5.[73] Amount of absorbent used: 3 lb

5.[79] (S) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
JLZ/03.11.2014
 Initials/Z# Date

(CS) 5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049) SAT UNSAT

ATTACHMENT I
 Page 3 of 3

5. [6] Parent Drum No.: S841588

Comments: 1-25-14 Parent drum number S841588 had the liquid liner removed and placed into daughter drum number L40000008773. The liquid liner had 4 holes drilled near bottom of drum to insure no free liquids were inside the liner had no additional hole drilled at the top so that no liquids can be retained. Down L40000008773 and L40000008790 have been closed for the day 1-25-14
1-26-14 Continuing evaluation of liner in L40000008773. I continue to find contaminated liquid was found and observed. The PID was placed in the secondary daughter drum L40000008790 with a flag indicating placed in container 30% of the waste from the liner was also placed in the secondary daughter along with some treatment was observed with process 1-26-14

N/A

9.1[1] Performed By: Justin Lopez Signature Justin Lopez Date 1-26-14
 Operator (Print) Z# 126031

9.1[2] Reviewed By: Joe Wise Signature Joe Wise Date 1-26-14
 Supervisor (Print) Z# 35490

9.1[3][B] Acceptance criteria satisfied: YES NO

9.1[3][E] Approved By: Dennis Giacchetti Signature Dennis Giacchetti Date 1/28/14
 SOM or designee (print) Z# 186808

1450 Date/Time



CONTAINERID: 68773

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>LOT Excluded</u>
68773	SSG	LA00000068773	NO WDS STATUS	NO	L.A-MIN03-NC.001	L.A-MIN03-NC.001-Lot 87 (L.A-MIN03-NC.001-Lot 87)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA1261	NDA	Complete	2014-01-30
LA-RTR2-14-0012	RTR	Complete	2014-01-29

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68773	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>
68773	NO DATA				

CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID:	LANL
Batch Number:	LA-RTR2-14-0009
Examination Date:	1/23/2014
Waste Container ID:	68872
Video/Audio Recorded Media Number:	LA-RTR2-14-0009 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 14
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes NCR No.: <u>N/A</u> NCR No.: <u>N/A</u>

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>191.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>157.4</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input checked="" type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Punctured: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Mechanical Vent: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Fiberboard Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lead Lined: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Page 2 of 3

Waste Container ID: 68872

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Scrap metal, metal pipe	
AM:	
OM:	
OI:	
C:	
R: Rubber gloves	
XPM: Plastic container, plastic sheeting	
OR:	
IN: Homogeneous solids	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): 90 mil Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
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):	1.5
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	153.8
Soils (S):	
Total WMP Weight:	157.4

CCP Radiography Data Sheet

Waste Container ID: 68872

Section 5: RTR Summary

(Questions answered "Yes" will be explained in the Comment block, except for Question 1)

Is there observable liquid?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Comments: N/A

RTR Operator:

Eddie Rios

Print Name


Signature

1/23/2014

Date

UET

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: 5814826

5.[32] Lifting device fasteners torque value (\geq 12-ft-lb): 12 ft-lb

7.[7] (\$) SAC 5.7.12 non-compliant containers are present:
 (SAC 5.7.12) YES NO N/A

7.[10] Containerized liquids present: YES NO N/A

7.[12][D]/[E] Containerized liquid: N/A

Liquid Volume/Unit	7 oz	7 oz	N/A	N/A
Liquid pH	8	8	N/A	N/A

5.[61] Daughter Drum No.: N/A

5.[62] Lifting device fasteners torque value (\geq 12-ft-lb): N/A ft-lb

5.[68][C] Secondary daughter drum No.: N/A

5.[69] Liquid pH: N/A

5.[72] Total amount of liquid found: N/A gal

5.[73] Amount of absorbent used: N/A lb

5.[79] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
N/A
 Initials/Z# Date

CS

5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
 SAT UNSAT N/A

UET

ATTACHMENT 1

Page 3 of 3

5.[6] Parent Drum No.: 5814826

Comments: Hole drilled in Liner at bottom of drum. 2-1 gallon containers found with 7 oz liquid in each one. PH of 8. Liquid solidified. Liner not able to retain liquid. per 1/13/14 Daughter # 581468872. 3 cups absorbant added.

No further entries per

9.1[1] Performed By: Philip Quintana Operator (Print) Philip Quintana Signature 11836951 Z# 1/13/14 Date

9.1[2] Reviewed By: Jan R. Cassel Supervision (Print) Jan R. Cassel Signature 234252-1 Z# 1-13-14 Date

9.1[3][B] Acceptance criteria satisfied: YES NO

9.1[3][E] Approved By: Dennis Cocchetti SOM or designee (print) Dennis Cocchetti Signature 186808 Z# 1/14/14 Date/Time 1147



CONTAINERID: 68872

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>LOT Excluded</u>
68872	55G	LA00000068872	NO WDS STATUS	NO	L.A-MIN03-NC.001	LA-MIN03-NC.001-Lot 87 (LA-MIN03-NC.001 -Lot 87)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA1259	NDA	Complete	2014-01-28
LA-RTR2-14-0009	RTR	Complete	2014-01-23

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68872	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68872	NO DATA			

CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID:	LANL
Batch Number:	LA-RTR2-14-0009
Examination Date:	1/23/2014
Waste Container ID:	68873
Video/Audio Recorded Media Number:	LA-RTR2-14-0009 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 14
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes NCR No.: <u>N/A</u> NCR No.: <u>N/A</u>

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>166.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>131.9</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input checked="" type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Punctured: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Mechanical Vent: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Fiberboard Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lead Lined: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	90 %

CCP Radiography Data Sheet

Waste Container ID: 68873

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Hand tools, scrap metal	
AM:	
OM:	
OI:	
C:	
R: Rubber gloves	
XPM: Plastic sheeting, plastic bag, cut out off poly liner bottom(no wieght given already a part of 90 mil liner)	
OR:	
IN: Homogeneous solids	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): 90 mil liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	3.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	1.3
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	126.1
Soils (S):	
Total WMP Weight:	131.9

CCP Radiography Data Sheet

Waste Container ID: 68873

Section 5: RTR Summary

(Questions answered "Yes" will be explained in the Comment block except for Question 1)

Is there observable liquid?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

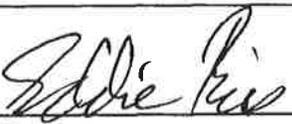
CH or RH TRAMPAC

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"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Comments: N/A

RTR Operator:

Eddie Rios
Print Name


Signature

1/23/2014
Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

- 5.[6] Parent Drum No.: 5833995
- 4.3[8][A] (\$) Total volume of flammable liquids within the SSSR AREA boundaries for operation and maintenance activities is \leq 7 gal: [LCO 3.3.1(1a)] SAT UNSAT
- CS 4.3[8][B] (*) Following requirements are satisfied: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
- Drums are 55 gal or larger for remediation SAT UNSAT
 - Each drum is \leq 200 FGE SAT UNSAT
- 5.[3] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) PQ 183693 11/14/14
Initials/Z# Date
- 5.[7] Remediation start date: 1/14/14
- 5.[8] RCRA designation (EPA Codes): D007A, D008A, D009B, F001H
- 5.[21] Rigid liner condition (e.g., warped, cracked, or breaks): SAT
- 5.[22] Rigid liner can be rigged: YES NO
- 5.[24][F] Liquid (top of drum) pH: N/A
- 5.[25] Rigid liner contains an internal poly-liner: YES NO
- 5.[29] Torque wrench information:
MT&E No: 021151
Cal. Expiration Date: 8/5/14
Range in ft-lb: 10-80
Tolerance: $\pm 3\%$ ccw, $\pm 6\%$ ccw
- 5.[30] Torque value for the torque wrench is within the calibrated range: YES NO

ATTACHMENT 1
 Page 2 of 3

5.[6] Parent Drum No.: 5833995

5.[32] Lifting device fasteners torque value (\geq 12-ft-lb): 12 ft-lb

7.[7] (\$) SAC 5.7.12 non-compliant containers are present:
 (SAC 5.7.12) YES NO N/A

7.[10] Containerized liquids present: YES NO N/A

7.[12][D]/[E] Containerized liquid: N/A

Liquid Volume/Unit	<u>1/2 pint</u>	<u>1/2 pint</u>	<u>1/2 pint</u>	<u>N/A</u>
Liquid pH	<u>14</u>	<u>13</u>	<u>13</u>	

5.[61] Daughter Drum No.: N/A

5.[62] Lifting device fasteners torque value (\geq 12-ft-lb): N/A ft-lb

5.[68][C] Secondary daughter drum No.: N/A

5.[69] Liquid pH: N/A

5.[72] Total amount of liquid found: N/A gal

5.[73] Amount of absorbent used: N/A lb

5.[79] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
N/A
 Initials/Z# Date

CS

5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
 SAT UNSAT N/A

ATTACHMENT 1
Page 3 of 3

5.[6] Parent Drum No.: 5833995

Comments: Hole drilled in Liner at bottom of drum. 4 containers found. 3 contained 1/2 pint liquid in each one. 4th had no liquid. 4 cups absorbant added to solidify liquid. Liner unable to retain liquid. Daughter drum # LA0000068873. PG 1/14/14

~~No further entries PG~~

9.1[1] Performed By: Philip Quintana Philip Quintana 11836951 1/14/14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R Cassel Jon R Cassel 204252 1-14-14
Supervision (Print) Signature Z# Date

9.1[3][B] Acceptance criteria satisfied: YES NO

9.1[3][E] Approved By: Dennis Ciocchetti Dennis Ciocchetti 1186545 1/14/14 1517
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68873

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>LOT Excluded</u>
68873	55G	LA00000068873	NO WDS STATUS	NO		L.A-MIN03-NC.001-Lot 87 (L.A-MIN03-NC.001 -Lot 87)	

L.A-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA1258	NDA	Complete	2014-01-27
LA-RTR2-14-0009	RTR	Complete	2014-01-23

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68873	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>
68873	NO DATA				

CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID:	LANL
Batch Number:	LA-HERTR-14-0010
Examination Date:	1/23/2014
Waste Container ID:	68874
Video/Audio Recorded Media Number:	LA-HERTR-14-0010 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 14
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes NCR No.: <u>N/A</u> NCR No.: <u>N/A</u>

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>184.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>149.9</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input checked="" type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Punctured: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Mechanical Vent: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Fiberboard Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lead Lined: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	100 %

CCP Radiography Data Sheet

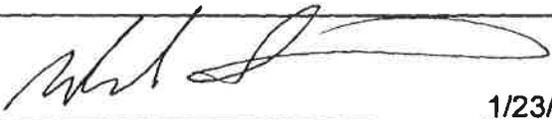
Waste Container ID: 68874

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	
R:	
XPM:	Plastic containers, plastic sheeting, 90 mil liner lid
OR:	
IN:	Homogeneous solids
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	7.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	142.9
Soils (S):	
Total WMP Weight:	149.9

CCP Radiography Data Sheet

Waste Container ID: 68874

Section 5: RTR Summary		
(Questions answered "Yes" will be explained in the Comment block, except for Question 1)		
Is there observable liquid?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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"/> Yes <input checked="" type="checkbox"/> No	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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"/> Yes <input checked="" type="checkbox"/> No	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Comments: N/A		
RTR Operator:		
<u>Michael Simmons</u> Print Name	 Signature	<u>1/23/2014</u> Date

ATTACHMENT 1
 Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: S 822036

4.3[8][A] (\$ Total volume of flammable liquids within the SSSR AREA boundaries for operation and maintenance activities is ≤ 7 gal: [LCO 3.3.1(1a)] SAT UNSAT

(CS) 4.3[8][B] (*) Following requirements are satisfied: (NCS-CSLA-11-043 and NCS-CSLA-13-049)

- Drums are 55 gal or larger for remediation SAT UNSAT
- Each drum is ≤ 200 FGE SAT UNSAT

5.[3] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) KEP Z87Z13 11-15-14
 Initials/Z# Date

5.[7] Remediation start date: 1-15-14

5.[8] RCRA designation (EPA Codes): D007, D008, D009, F001

5.[21] Rigid liner condition (e.g., warped, cracked, or breaks): The Rigid Liner Condition is Good.

5.[22] Rigid liner can be rigged: YES NO

5.[24[F] Liquid (top of drum) pH: 7PH

5.[25] Rigid liner contains an internal poly-liner: YES NO

5.[29] Torque wrench information:
 MT&E No: 042205
 Cal. Expiration Date: 09-17-14
 Range in ft-lb: 16-80
 Tolerance: ± 3% / ± 6% CEW

5.[30] Torque value for the torque wrench is within the calibrated range: YES NO

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: S822036

5.[32] Lifting device fasteners torque value (\geq 12-ft-lb): 12 ft-lb

7.[7] (\$) SAC 5.7.12 non-compliant containers are present:
(SAC 5.7.12) YES NO N/A

7.[10] Containerized liquids present: YES NO N/A

7.[12][D]/[E] Containerized liquid: N/A

Liquid Volume/Unit				
Liquid pH				

5.[61] Daughter Drum No.: N/A

5.[62] Lifting device fasteners torque value (\geq 12-ft-lb): N/A ft-lb

5.[68][C] Secondary daughter drum No.: N/A

5.[69] Liquid pH: N/A

5.[72] Total amount of liquid found: NA gal

5.[73] Amount of absorbent used: NA lb

5.[79] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A

Initials/Z# Date

CS

5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049)

SAT UNSAT N/A

UET

ATTACHMENT 1

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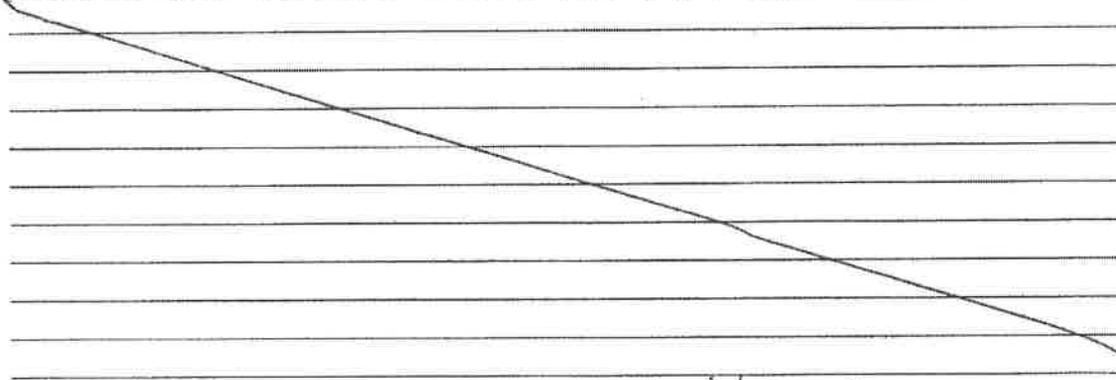
5.[6]

Parent Drum No.:

S822036

Comments:

Drilled 12 holes, Put waste lock to absorbed liquid; liquid can not be held. Drilled 12 hole over the ridged liner. Ridged liner placed in LAL68874, And the rest of the remaining absorbed liquid placed in LAL68877. Fire Watch Secured 11-15-14 No further Entries.



9.1[1]

Performed By:

Kristin E. Pate
Operator (Print)

[Signature]
Signature

12870311-15-14
Z# Date

9.1[2]

Reviewed By:

Joe Wise
Supervision (Print)

[Signature]
Signature

0515901-15-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES

NO

9.1[3][E]

Approved By:

Michael V. Horda
SOM or designee (print)

[Signature]
Signature

122498d 1-21-14
Z# Date/Time

1246



CONTAINERID: 68874

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>LOT Excluded</u>
68874	55G	LA00000068874	NO WDS STATUS	NO	L.A-MIN03-NC.001	L.A-MIN03-NC.001-Lot 87 (L.A-MIN03-NC.001 -Lot 87)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1897	NDA	Complete	2014-01-24
LA-HERTR-14- 0010	RTR	Complete	2014-01-23

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68874	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68874	NO DATA			

CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID:	LANL
Batch Number:	LA-RTR2-14-0009
Examination Date:	1/23/2014
Waste Container ID:	68875
Video/Audio Recorded Media Number:	LA-RTR2-14-0009 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 14
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes NCR No.: <u>N/A</u> NCR No.: <u>N/A</u>

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>187.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>153.4</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input checked="" type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Punctured: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Mechanical Vent: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Fiberboard Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lead Lined: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	85 %

CCP Radiography Data Sheet

Waste Container ID: 68875

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Scrap metal	
AM:	
OM:	
OI:	
C: Leather gloves	
R:	
XPM: Plastic sheeting, poly liner lid, plastic container	
OR:	
IN: Homogeneous solids	
S:	

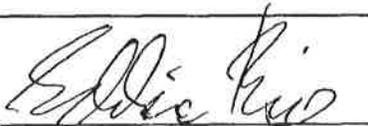
Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): 90 mil Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	1.0
Rubber (R):	
Plastics (waste materials) (XPM):	2.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	149.4
Soils (S):	
Total WMP Weight:	153.4

CCP Radiography Data Sheet

Waste Container ID: 68875

Section 5: RTR Summary

(Questions answered "Yes" will be explained in the Comment block, except for Question 1)

Is there observable liquid?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Comments: N/A	
RTR Operator:	
Eddie Rios	
Print Name	Signature
	1/23/2014
	Date

ATTACHMENT 1

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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5821626

4.3[8][A] (\$) Total volume of flammable liquids within the SSSR AREA boundaries for operation and maintenance activities is ≤ 7 gal: [LCO 3.3.1(1a)] SAT UNSAT

(CS) 4.3[8][B] (*) Following requirements are satisfied: (NCS-CSLA-11-043 and NCS-CSLA-13-049)

- Drums are 55 gal or larger for remediation SAT UNSAT
- Each drum is ≤ 200 FGE SAT UNSAT

5.[3] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) (B) 1291751 1-14-14
Initials/Z# Date

5.[7] Remediation start date: 1-14-14

5.[8] RCRA designation (EPA Codes): D003B, D007A, D008A, D009B, F001H
(B) 1-21-14

5.[21] Rigid liner condition (e.g., warped, cracked, or breaks): Sat

5.[22] Rigid liner can be rigged: YES NO

5.[24[F] Liquid (top of drum) pH: PH 12

5.[25] Rigid liner contains an internal poly-liner: YES NO

5.[29] Torque wrench information:
MT&E No: 021151
Cal. Expiration Date: 8-5-14
Range in ft-lb: 10-80
Tolerance: +3% ccw +6% ccw

5.[30] Torque value for the torque wrench is within the calibrated range: YES NO

UET

ATTACHMENT 1

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5821626
~~5821626~~ (K) 1-21-14
~~5821626~~ (K) 1-14-14

5.[6] Parent Drum No.:

5.[32] Lifting device fasteners torque value (\geq 12-ft-lb): 12^{ft} ft-lb

7.[7] (\$) SAC 5.7.12 non-compliant containers are present:
 (SAC 5.7.12) YES NO N/A

7.[10] Containerized liquids present: YES NO N/A

7.[12][D]/[E] Containerized liquid: N/A

Liquid Volume/Unit	<u>1/2 pint</u>	<u>1/2 pint</u>	<u>N/A</u>	<u>N/A</u>
Liquid pH	<u>6</u>	<u>7</u>	<u>N/A</u>	<u>N/A</u>

5.[61] Daughter Drum No.: N/A

5.[62] Lifting device fasteners torque value (\geq 12-ft-lb): N/A ft-lb

5.[68][C] Secondary daughter drum No.: N/A

5.[69] Liquid pH: N/A

5.[72] Total amount of liquid found: N/A gal

5.[73] Amount of absorbent used: N/A lb

5.[79] (\$) STATIONARY FIRE WATCH secured, (SAC 5.7.17) N/A
N/A
 Initials/Z# Date

(CS)

5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
 SAT UNSAT N/A

UET

ATTACHMENT 1

Page 3 of 3

5.[6]

Parent Drum No.:

5821626

Comments:

Hole drilled at liner of bottom of drum

2 containers found with 1/2 pint liquid in each one
PH of 6-7
liner not able to retain liquid
daughter # LA00000068875

9.1[1]

Performed By:

Kenny Sandoval
Operator (Print)

[Signature]
Signature

1119179 1-14-14
Z# Date

9.1[2]

Reviewed By:

Jon R Cassel
Supervision (Print)

[Signature]
Signature

234252 1-14-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES

NO

9.1[3][E]

Approved By:

Robert V. Henderson
SOM or designee (print)

[Signature]
Signature

122493A 1-14-14
Z# Date/Time

1.8)P



CONTAINERID: 68875

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>LOT Excluded</u>
68875	55G	LA00000068875	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 87 (LA-MIN03-NC.001-Lot 87)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA1259	NDA	Complete	2014-01-28
LA-RTR2-14-0009	RTR	Complete	2014-01-23

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68875	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>
68875	NO DATA				

CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID:	LANL
Batch Number:	LA-RTR2-14-0009
Examination Date:	1/23/2014
Waste Container ID:	68876
Video/Audio Recorded Media Number:	LA-RTR2-14-0009 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 14
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes NCR No.: <u>N/A</u> NCR No.: <u>N/A</u>

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>174.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>140.4</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input checked="" type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Punctured: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Mechanical Vent: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Fiberboard Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lead Lined: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Number of Layers of Confinement:	Appears to be 0 layers
Volume Utilization Percentage:	90 %

CCP Radiography Data Sheet

Waste Container ID: 68876

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Scrap metal	
AM:	
OM:	
OI:	
C:	
R:	
XPM: Plastic sheeting, 90 mil liner lid	
OR:	
IN: Homogeneous solids	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): 90 mil liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	137.9
Soils (S):	
Total WMP Weight:	140.4

CCP Radiography Data Sheet

Waste Container ID: 68876

Section 5: RTR Summary

(Questions answered "Yes" will be explained in the Comment block, except for Question 1)

Is there observable liquid?	E.R. 1-23-14 <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No E.R. 1-23-14
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Comments: ~~NA~~ E.R. 1-23-14 After reviewing with replicate scan operator I agree there is no liquid in this container. E.R. 1-23-14

RTR Operator: Eddie Rios 1/23/2014
 Print Name Signature Date

ATTACHMENT 1

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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

- 5.[6] Parent Drum No.: S834064
- 4.3[8][A] (\$ Total volume of flammable liquids within the SSSR AREA boundaries for operation and maintenance activities is ≤ 7 gal: [LCO 3.3.1(1a)] SAT UNSAT
- CS 4.3[8][B] (*) Following requirements are satisfied: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
- Drums are 55 gal or larger for remediation SAT UNSAT
 - Each drum is ≤ 200 FGE SAT UNSAT
- 5.[3] (\$ STATIONARY FIRE WATCH established. (SAC 5.7.17) REP Z87Z13 11-15-14
Initials/Z# Date
- 5.[7] Remediation start date: 1-15-14
- 5.[8] RCRA designation (EPA Codes): D003, D007, D008, D009, F001
- 5.[21] Rigid liner condition (e.g., warped, cracked, or breaks):
Condition of the Rigid liner is Good.
- 5.[22] Rigid liner can be rigged: YES NO
- 5.[24][F] Liquid (top of drum) pH: NO Liquid
- 5.[25] Rigid liner contains an internal poly-liner: YES NO
- 5.[29] Torque wrench information:
 MT&E No: 042205
 Cal. Expiration Date: 09-17-14
 Range in ft-lb: 12 ft-lb 10-30
 Tolerance: ± 3% CW ± 1.0% CCW
- 5.[30] Torque value for the torque wrench is within the calibrated range: YES NO

UET

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: S834064

5.[32] Lifting device fasteners torque value (\geq 12-ft-lb): 12 ft-lb

7.[7] (\$) SAC 5.7.12 non-compliant containers are present:
(SAC 5.7.12) YES NO N/A

7.[10] Containerized liquids present: YES NO N/A

7.[12][D]/[E] Containerized liquid: N/A

Liquid Volume/Unit	N/A	N/A	N/A	N/A
Liquid pH	N/A	N/A	N/A	N/A

5.[61] Daughter Drum No.: N/A

5.[62] Lifting device fasteners torque value (\geq 12-ft-lb): N/A ft-lb

5.[68][C] Secondary daughter drum No.: N/A

5.[69] Liquid pH: N/A

5.[72] Total amount of liquid found: N/A gal

5.[73] Amount of absorbent used: N/A lb

5.[79] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17)
 N/A
N/A / N/A
 Initials/Z# Date

CS

5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
 SAT UNSAT N/A

UET

ATTACHMENT 1

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5.[6] Parent Drum No.: S834064

Comments: Drilled 12 holes in liner, pulled Pressurized PID
out of SS. Put the PID in LAG8880/W799336 -> PID numbers.
Can not hold liquid. do to holes drilled all over
Ridged liner./Bottom Firewatch Succeeded 1-15-14 Daughter Drum passed in LAG8876

No further Entries.

9.1[1] Performed By: Kristofer E. Pette [Signature] 12874311-15-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Joe Wise [Signature] 254390 11-15-14
Supervision (Print) Signature Z# Date

9.1[3][B] Acceptance criteria satisfied: YES NO

9.1[3][E] Approved By: Robert V Ward [Signature] 122493 1-21-14
SOM or designee (print) Signature Z# Date/Time

1832



CONTAINERID: 68876

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>LOT Excluded</u>
68876	55G	LA00000068876	NO WDS STATUS	NO		L.A-MIN03-NC.001-Lot 87 (L.A-MIN03-NC.001 -Lot 87)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA1258	NDA	Complete	2014-01-27
LA-RTR2-14- 0009	RTR	Complete	2014-01-23

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68876	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>
68876	NO DATA				

CCP Radiography Data Sheet

Waste Container ID: 68878

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Hand tool	
AM:	
OM:	
OI:	
C:	
R:	
XPM: 90 mil liner lid, plastic sheeting	
OR:	
IN: Homogeneous solids	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.4
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	3.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	145.0
Soils (S):	
Total WMP Weight:	148.4

CCP Radiography Data Sheet

Waste Container ID: 68878

Section 5: RTR Summary

(Questions answered "Yes" will be explained in the Comment block, except for Question 1)

Is there observable liquid?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Comments: N/A

RTR Operator:

Michael Simmons

Print Name



Signature

1/23/2014

Date

UET

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: S814836

4.3[8][A] (\$) Total volume of flammable liquids within the SSSR AREA boundaries for operation and maintenance activities is ≤ 7 gal: [LCO 3.3.1(1a)] SAT UNSAT

CS 4.3[8][B] (*) Following requirements are satisfied: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
• Drums are 55 gal or larger for remediation SAT UNSAT
• Each drum is ≤ 200 FGE SAT UNSAT

5.[3] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) KEP 267213 11-16-14
Initials/Z# Date

5.[7] Remediation start date: 1-16-14

5.[8] RCRA designation (EPA Codes): Foot, D009, D008, D007, D005

5.[21] Rigid liner condition (e.g., warped, cracked, or breaks): The Rigid liner Condition is Good.

5.[22] Rigid liner can be rigged: YES NO

5.[24][F] Liquid (top of drum) pH: None

5.[25] Rigid liner contains an internal poly-liner: YES NO

5.[29] Torque wrench information:
MT&E No: 021151
Cal. Expiration Date: 8-5-14
Range in ft-lb: 10-80
Tolerance: ±3% CW ±1-6% CCW

5.[30] Torque value for the torque wrench is within the calibrated range: YES NO

UET

ATTACHMENT 1

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5.[6] Parent Drum No.: S814836

5.[32] Lifting device fasteners torque value (≥ 12-ft-lb): 12 ft-lb

7.[7] (\$) SAC 5.7.12 non-compliant containers are present:
 (SAC 5.7.12) YES NO N/A

7.[10] Containerized liquids present: YES NO N/A

7.[12][D]/[E] Containerized liquid: N/A

Liquid Volume/Unit	N/A	N/A	N/A	N/A
Liquid pH	N/A	N/A	N/A	N/A

5.[61] Daughter Drum No.: N/A

5.[62] Lifting device fasteners torque value (≥ 12-ft-lb): N/A ft-lb

5.[68][C] Secondary daughter drum No.: N/A

5.[69] Liquid pH: N/A

5.[72] Total amount of liquid found: N/A gal

5.[73] Amount of absorbent used: N/A lb

5.[79] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
NA / NA
 Initials/Z# Date

CS

5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
 SAT UNSAT N/A

UET

ATTACHMENT 1

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5.[6]

Parent Drum No.:

S814836

Comments:

They Drilled all 12 holes in the Sludge liner, Checked for PID, could not find any Sealed PID/Pressurized PID. This Drum can not hold any liquid do to the holes drilled all around the down liner. All Sludge put into LAL8878, And Remaining absorbed liquid put into 68879. Firewatch Secured 1-16-14, NO further Entries

9.1[1]

Performed By:

Kristofer E. Peube
Operator (Print)

[Signature]
Signature

157151 1-16-14
Z# Date

9.1[2]

Reviewed By:

Joe Wise
Supervision (Print)

[Signature]
Signature

284390 1-21-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES

NO

9.1[3][E]

Approved By:

Pat O'Grady
SOM or designee (print)

[Signature]
Signature

11513581 1-29-14/1333
Z# Date/Time



CONTAINERID: 68878

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>LOT Excluded</u>
68878	55G	LA00000068878	NO WDS STATUS	NO	L.A-MIN03-NC.001	L.A-MIN03-NC.001-Lot 87 (L.A-MIN03-NC.001-Lot 87)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1897	NDA	Complete	2014-01-24
LA-HERTR-14-0010	RTR	Complete	2014-01-23

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68878	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68878	NO DATA			

CCP Radiography Data Sheet

Section 1: General Information	
<input checked="" type="checkbox"/> RTR Examination <input type="checkbox"/> RTR Replicate Scan <input type="checkbox"/> RTR Independent Observation	
Site ID:	LANL
Batch Number:	LA-RTR2-14-0008
Examination Date:	1/21/2014
Waste Container ID:	S834911
Video/Audio Recorded Media Number:	LA-RTR2-14-0008 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 14
NCR(s) associated with the container? (e.g., Prohibited Items)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes NCR No.: <u>N/A</u> NCR No.: <u>N/A</u>

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA211
Waste Matrix Code:	S3120
Waste Stream I.D.:	LA-MIN03-NC.001
Waste Container Weights:	Gross Wt.: <u>196.1</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>162.0</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input checked="" type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A Punctured: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Mechanical Vent: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Fiberboard Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lead Lined: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Number of Layers of Confinement:	Appears to be 1 layer
Volume Utilization Percentage:	100 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Page 2 of 3

Waste Container ID: S834911

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Drum ring, scrap metal	
AM:	
OM:	
OI:	
C:	
R:	
XPM: 90 mil liner lid, plastic bags, plastic container	
OR:	
IN: Homogeneous solids	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
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):	6.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	154.0
Soils (S):	
Total WMP Weight:	162.0

CCP Radiography Data Sheet

Waste Container ID: S834911

Section 5: RTR Summary

(Questions answered "Yes" will be explained in the Comment block, except for Question 1)

Is there observable liquid?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Comments: N/A	
RTR Operator:	
<u>Michael Simmons</u> Print Name	 Signature
	<u>1/21/2014</u> Date

ATTACHMENT 1

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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5834911

4.3[8][A] (\$) Total volume of flammable liquids within the SSSR AREA boundaries for operation and maintenance activities is ≤ 7 gal: [LCO 3.3.1(1a)] SAT UNSAT

(CS) 4.3[8][B] (*) Following requirements are satisfied: (NCS-CSLA-11-043 and NCS-CSLA-13-049)

- Drums are 55 gal or larger for remediation SAT UNSAT
- Each drum is ≤ 200 FGE SAT UNSAT

5.[3] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) HW/2872201 12-21-13
Initials/Z# Date

5.[7] Remediation start date: 12-21-13

5.[8] RCRA designation (EPA Codes): D007, D008, D009, F001

5.[21] Rigid liner condition (e.g., warped, cracked, or breaks): SAT

5.[22] Rigid liner can be rigged: YES NO

5.[24][F] Liquid (top of drum) pH: N/A

5.[25] Rigid liner contains an internal poly-liner: YES NO

5.[29] Torque wrench information:
MT&E No: 040328
Cal. Expiration Date: 6-21-14
Range in ft-lb: 10-80
Tolerance: ±3% cw / ±6% ccw

5.[30] Torque value for the torque wrench is within the calibrated range: YES NO

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: 5834911

5.[32] Lifting device fasteners torque value (≥ 12-ft-lb): 12 ft-lb

7.[7] (\$) SAC 5.7.12 non-compliant containers are present:
 (SAC 5.7.12) YES NO N/A

7.[10] Containerized liquids present: YES NO N/A

7.[12][D]/[E] Containerized liquid: N/A

Liquid Volume/Unit				
Liquid pH				

5.[61] Daughter Drum No.: N/A
liner placed back in original container 11/12/13

5.[62] Lifting device fasteners torque value (≥ 12-ft-lb): N/A 12 ft-lb

5.[68][C] Secondary daughter drum No.: N/A

5.[69] Liquid pH: 11

5.[72] Total amount of liquid found: 1/2 gal

5.[73] Amount of absorbent used: 2 lb

5.[79] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A

1
 Initials/Z# Date

CS

5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049)

SAT UNSAT

ATTACHMENT 1

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5.[6]

Parent Drum No.:

5834911

Comments:

Liner pulled from drum. Found liquid between liner and drum. Absorbed liquid in drum. Soaked liquid from liner. Found a 1 gallon empty bottle of Fantastic. Opened bottle and placed metal banding for RTB. Drilled and drained

9.1[1]

Performed By:

Heath Wade
Operator (Print)

Heath Wade
Signature

12872201 12-21-13
Z# Date

9.1[2]

Reviewed By:

Jon R Cassel
Supervision (Print)

Jon R Cassel
Signature

284252 12-21-13
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES

NO

9.1[3][E]

Approved By:

Pat O'Grady
SOM or designee (print)

Pat O'Grady
Signature

11513581 1-24-14 1338
Z# Date/Time



CONTAINERID: S834911

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>LOT Excluded</u>
S834911	55G	LA-S834911	NO WDS STATUS	NO	L.A-MIN03-NC.001	LA-MIN03-NC.001-Lot 87 (LA-MIN03-NC.001-Lot 87)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1897	NDA	Complete	2014-01-24
LA-RTR2-06-0328	RTR	Complete	2006-10-26
LA-RTR2-06-0373	RTR	Complete	2006-11-29
LA-RTR2-09-0003	RTR	Complete	2009-01-26
LA-RTR2-14-0008	RTR	Complete	2014-01-21

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
S834911	NCR-LANL0604090	Closed	Resolved
S834911	NCR-LANL0913061	Superseded	None
S834911	NCR-LANL0914060	Superseded	None
S834911	NCR-LANL0914061	Superseded	None
S834911	NCR-LANL0914062	Closed	Resolved
S834911	NCR-LANL0938060	Superseded	None



S834911 NCR-LANL0958061 Closed

Resolved

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>NCR Status</u>	<u>Release Code</u>	<u>Actual Condition</u>
S834911	LA-RTR2-06-0328	NCR-LANL0914062	Closed	Resolved	S834821 greater than 1" liquid, greater than 1% container volume S834911 greater than 1" liquid, greater than 1% container volume S841048 greater than 1" liquid S834819 greater than 1" liquid REASON FOR REV 1: DELETE DRUM S841067 AS THIS DRUM HAS BEEN DETERMINED AS LOW LEVEL WASTE (LLW) AND BEEN REMOVED FROM AK AND RETURNED TO LANL. Reason for revision 2: Revise final disposition and remove uncompleted drums to NCR-LANL-2047-08.
S834911	LA-RTR2-06-0373	NCR-LANL0958061	Closed	Resolved	S810438 ~8 Liters liquid (greater than 1") between liner and waste @ 6" to 32" (greater than 1% container volume) S815062 Liner not vented S834821 Liner not vented ~10 Liters liquid (greater than 1") between liner and waste @ 16" to 32", greater than 1% container volume S834911 Liner not vented ~8 Liters liquid (greater than 1") between liner and waste @ 12" to 32" greater than 1% container volume. Reason for revision: Adding the following drums that are part of the same RTR BDRS810956: ~1 Liter liquid (greater than 1") between the liner and the waste @ 12" S803960: ~1 Liter liquid (greater than 1") in pocket of waste @ 30" Changed Final Disposition
S834911	LA-RTR2-09-0003	NCR-LANL0604090	Closed	Resolved	~80ml non residual liquid in plastic bottles @ 12" ~2L non residual liquid between liner & drum @ 29" to 32", greater than 1% container volume