



Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221
MAR 21 2014

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MAR 28 2014

NMED
Hazardous Waste Bureau

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

Subject: Shipment of Containers from Waste Stream LA-MIN03-NC.001 (Lot 88)

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 26 containers (Lot 88) 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.



Mr. John E. Kieling

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MAR 21 2014

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


Robert L. McQuinn, Project Manager
Nuclear Waste Partnership LLC

Enclosure

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 Lot 88 Containers		
#	Container ID	RTR BDR
1.	68701	LA-RTR2-14-0023
2.	68705	LA-RTR2-14-0023
3.	68707	LA-RTR2-14-0023
4.	68770	LA-RTR2-14-0012
5.	68775	LA-RTR2-14-0014
6.	68776	LA-HERTR-14-0020
7.	68777	LA-RTR2-14-0014
8.	68798	LA-HERTR-14-0017
9.	68858	LA-RTR2-14-0023
10.	68860	LA-RTR2-14-0023
11.	68910	LA-RTR2-14-0018
12.	68912	LA-RTR2-14-0018
13.	68915	LA-HERTR-14-0020
14.	68917	LA-RTR2-14-0020
15.	68918	LA-RTR2-14-0018
16.	68920	LA-RTR2-14-0018
17.	68922	LA-HERTR-14-0020
18.	68923	LA-RTR2-14-0020
19.	68924	LA-RTR2-14-0020
20.	68925	LA-RTR2-14-0018
21.	68926	LA-RTR2-14-0019
22.	68928	LA-RTR2-14-0019
23.	68931	LA-RTR2-14-0020
24.	68939	LA-RTR2-14-0023
25.	S814238	LA-RTR2-14-0008
26.	S850190	LA-HERTR-13-0052

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-RTR2-14-0023
Examination Date:	2/24/2014
Waste Container ID:	68701
Video/Audio Recorded Media Number:	LA-RTR2-14-0023 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>175.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>140.9</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

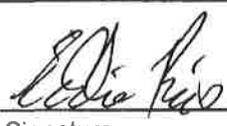
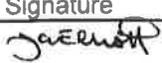
Waste Container ID: 68701

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Hand tool	
AM:	
OM:	
OI:	
C:	
R:	
XPM: Plastic tubing, 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):	0.1
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):	134.8
Soils (S):	
Total WMP Weight:	140.9

CCP Radiography Data Sheet

Waste Container ID: 68701

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: SME/OJT Aaron Elliott monitoring operator Eddie Rios at the controls to evaluate proficiency and provide training/mentoring as required.		
RTR Operator:		
<u>Eddie Rios</u> Print Name	 Signature	<u>2/24/2014</u> Date
<u>AARON ELLIOTT</u>		<u>2/24/14</u>

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: LA00000068701

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) HW/2872201 2-19-14
Initials/Z# Date

5.[7] Remediation start date: 2-19-14
Parent Drum Weight (lb): 399 lb

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: 021151
Cal. Expiration Date: 8-5-14
Range in ft-lb: 14-80
Tolerance: ± 3% cw / ± 6% ccw

UET

ATTACHMENT 1
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5.[6] Parent Drum No.: LA00000068701

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

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

7.[3][D][a] Lifting device fasteners torque value (≥ 12-ft-lb): N/A 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: ^{2-19-14 NW}
 YES NO N/A

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

Liquid Volume/Unit				
Liquid pH				

5.[63]/7.[4][F] Daughter Drum No.: _____ N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): N/A ft-lb

5.[70][C] Secondary daughter drum No.: N/A

5.[71] Liquid pH: N/A

5.[74] Total amount of liquid found: 0 gal

5.[75] Amount of absorbent used: 1/2 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
 Initials/Z# NW/287220 Date 2-19-14

CS

5.[84] (*) 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

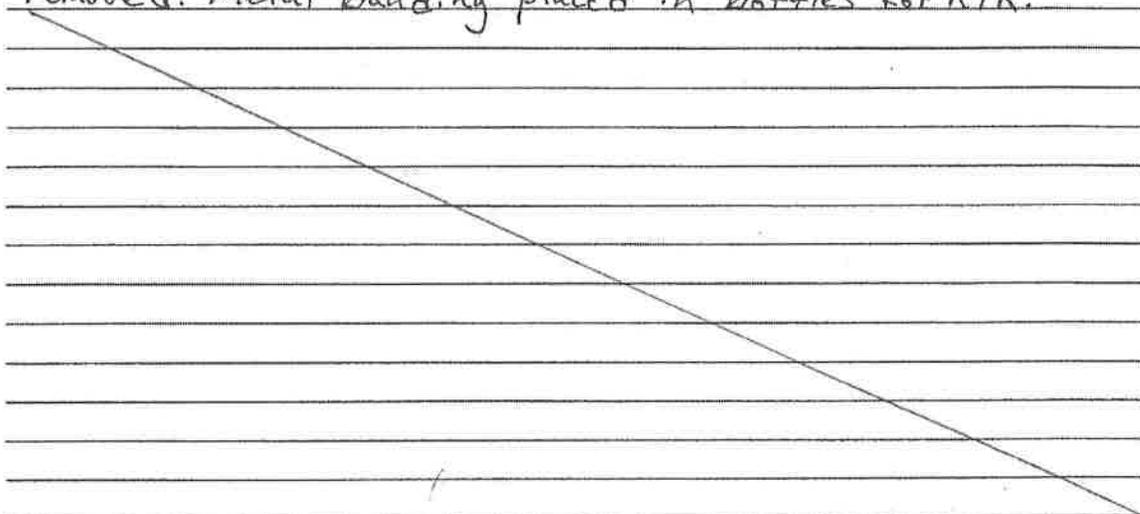
UET

ATTACHMENT 1

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5.[6] Parent Drum No.: LA00000068701

Comments: Two poly bottles found with dirt. Dirt was removed. Metal banding placed in bottles for RTR.



9.1[1] Performed By: Heath Winda | Heath Winda | 12872201 | 2-19-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R. Cassel | Jon R. Cassel | 234252 | 12-18-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Robert V. Hender | Robert V. Hender | 224939 | 12-19-14
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68701

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>
68701	55G	LA00000068701	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

L.A-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1917	NDA	Complete	2014-02-26
LA-RTR2-14-0023	RTR	Complete	2014-02-24

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68701	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68701	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-RTR2-14-0023
Examination Date:	2/24/2014
Waste Container ID:	68705
Video/Audio Recorded Media Number:	LA-RTR2-14-0023 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>171.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>136.9</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: 68705

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Scrap metal, hand tool	
AM:	
OM:	
OI:	
C:	
R:	
XPM: Plastic containers, plastic sheeting, 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):	1.0
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):	132.9
Soils (S):	
Total WMP Weight:	136.9

CCP Radiography Data Sheet

Waste Container ID: 68705

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

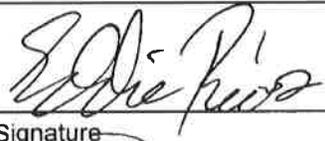
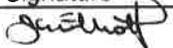
Comments: SME/OJT Aaron Elliott monitoring operator Eddie Rios at the controls to evaluate proficiency and provide training/mentoring as required.

RTR Operator:

Eddie Rios

Print Name

AARON ELLIOTT


 Signature


2/24/2014

Date

2/24/14

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5817004

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/287220 11-5-14
Initials/Z# Date

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

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: 7

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

5.[29] Torque wrench information:
 MT&E No: 621151
 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

ATTACHMENT 1

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5.[6] Parent Drum No.: 5817004

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

ATTACHMENT 1
Page 3 of 3

5.[6] Parent Drum No.: 5817004

Comments: Daughter drum # LA00000068705 - Secondary # LA00000068710
Drill and drain was performed on liner. Hole drilled at
bottom of liner at bottom of drum. Inverted liner from
parent 5817004 to remove PT from bottom of liner.
9 containers found none of them contained any liquids

9.1[1] Performed By: Heath Wade Heath Wade 1287220 1-5-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jack R. Cannon Jack R. Cannon 234252 1-5-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Dennis Ciocchetti Dennis Ciocchetti 1818081 1/14/14 1151
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68705

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>
68705	55G	LA00000068705	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

L.A-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1916	NDA	Complete	2014-02-25
LA-RTR2-14-0023	RTR	Complete	2014-02-24

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68705	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68705	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-RTR2-14-0023
Examination Date:	2/24/2014
Waste Container ID:	68707
Video/Audio Recorded Media Number:	LA-RTR2-14-0023 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>188.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>154.4</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:	100 %

CCP Radiography Data Sheet

Waste Container ID: 68707

Section 3: Container Inventory and Comments

(Detailed descriptions)

IM: Scrap metal

AM:

OM:

OI:

C:

R:

XPM: Plastic containers, Poly liner lid, plastic sheeting

OR:

IN: Homogeneous solids

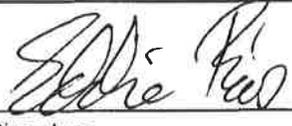
S:

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):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	151.4
Soils (S):	
Total WMP Weight:	154.4

CCP Radiography Data Sheet

Waste Container ID: 68707

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: SME/OJT Aaron Elliott monitoring operator Eddie Rios at the controls to evaluate proficiency and provide training/mentoring as required.	
RTR Operator:	
Eddie Rios _____ Print Name AARON ELLIOTT	 _____ Signature [Signature]
2/24/2014 _____ Date 2/24/14	

ATTACHMENT 1

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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: HA00000068707

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) AW 254810 12-17-14
AW 167001 12-17-14
Initials/Z# Date

5.[7] Remediation start date: 2-17-14
Parent Drum Weight (lb): 461.0 lb

5.[8] RCRA designation (EPA Codes): N/A

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

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

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: N/A
Cal. Expiration Date: _____
Range in ft-lb: _____
Tolerance: _____

UET

ATTACHMENT 1

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5.[6]

Parent Drum No.:

LA000 000 6870 7

Comments:

Drum opened after previously being worked. Verified
all containers empty. All liquids absorbed. Rigid liner can
not retain liquid. One container had 2oz residual liquid, it was
removed

No Further Comments

9.1[1]

Performed By:

Joe Wise
Alynn Wells
Operator (Print)

Joe Wise
Signature

214390 2-18-14
116704 12-17-14
Z# Date

9.1[2]

Reviewed By:

Joe Wise
Supervision (Print)

Joe Wise
Signature

2543012-18-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES

NO

9.1[3][E]

Approved By:

Robert V. Hander
SOM or designee (print)

Robert V. Hander
Signature

1224938 12-18-14
Z# Date/Time
1222



CONTAINERID: 68707

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>
68707	55G	LA00000068707	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1917	NDA	Complete	2014-02-26
LA-RTR2-14-0023	RTR	Complete	2014-02-24

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68707	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>
68707	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:	68770
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>155.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>121.4</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 1 layer
Volume Utilization Percentage:	85 %

CCP Radiography Data Sheet

Waste Container ID: 68770

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C: Leather gloves	
R:	
XPM: Plastic bag, labware	
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):	0.6
Rubber (R):	
Plastics (waste materials) (XPM):	4.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	116.8
Soils (S):	
Total WMP Weight:	121.4

CCP Radiography Data Sheet

Waste Container ID: 68770

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

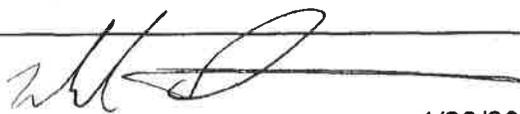
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags 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: After reviewing with the Replicate Scan operator I agree that there is 30mL of acceptable liquid in the folds of a plastic bag at the bottom of the drum.

RTR Operator:

Michael Simmons

Print Name



Signature

1/29/2014

Date

ATTACHMENT 1

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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5821620

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)
IPC-2
• 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

5.[3] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) PQ 1836931 / 1/22/14
Initials/Z# Date

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

5.[8] RCRA designation (EPA Codes): 0007, 0008, 0009, 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: 06/21/14
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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5.[6] Parent Drum No.: 5821620

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 gal</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Liquid pH	<u>7</u>	<u>N/A</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.: LA00000068771

5.[69] Liquid pH: 7

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

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

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

PG 183693 10/23/14
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

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5.[6] Parent Drum No.: 5821620

Comments: Hole drilled in Liner at bottom of drum. Liner unable to retain liquid. Approximately 500 vials found. Total amount of liquid equaled to 1/2 gallon in vials. Liquid solidified. Primary daughter drum # LA00000068770 re 12/23/14

No further entries re

9.1[1] Performed By: Philip Quintana Philip Quintana 1183693 10/23/14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jos R. Cresser Jos R. Cresser 224252 11-23-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Robert V. Harde Robert V. Harde 122498 1-23-14
SOM or designee (print) Signature Z# Date/Time *1/14*



CONTAINERID: 68770

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>
68770	55G	LA00000068770	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

L/A-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1903	NDA	Complete	2014-01-31
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>
68770	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>
68770	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-RTR2-14-0014
Examination Date:	2/3/2014
Waste Container ID:	68775
Video/Audio Recorded Media Number:	LA-RTR2-14-0014 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>54.0</u> kg Tare Wt.: <u>27.7</u> kg Net Wt.: <u>26.3</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" 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:	40 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

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Waste Container ID: 68775

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

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	0.0
Other:	0.0
Total Packaging Weight	27.7
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	5.0
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):	18.3
Soils (S):	
Total WMP Weight:	26.3

CCP Radiography Data Sheet

Waste Container ID: 68775

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

2/3/2014
Date

ATTACHMENT 1
Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5834958

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

IPC-2
(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

5.[3] (\$ STATIONARY FIRE WATCH established. (SAC 5.7.17) HW/287220, 1-28-14
Initials/Z# Date

5.[7] Remediation start date: 1-28-14

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: 021151
Cal. Expiration Date: 8-5-14
Range in ft-lb: 10-80
Tolerance: $\pm 3\%$ cw / $\pm 6\%$ ccw

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

TA-54 Area G Sludge Remediation SSSR Activities
UET

Document No.: EP-AREAG-WO-DOP-1085
Revision: 2
Effective Date: 12/11/13
Page: 68 of 73

ATTACHMENT 1
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5.[6] Parent Drum No.: 5834958

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	8 oz	14 oz	14 oz	14 oz
Liquid pH	13	7	7	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.: LAC0000068775

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
HW/287220 1-28-14
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

TA-54 Area G Sludge Remediation SSSR Activities

Document No.: EP-AREAG-WO-DOP-1085

Revision: 2

Effective Date: 12/11/13

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UET

ATTACHMENT 1

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5.[6] Parent Drum No.: 5834958

5.[32] Lifting device fasteners torque value (≥ 12 -ft-lb): N/A 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	14 oz	14 oz	14 oz	8 oz
Liquid pH	7	7	7	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.: 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

TA-54 Area G Sludge Remediation SSSR Activities
 UET

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5.[6] Parent Drum No.: 5834958

5.[32] Lifting device fasteners torque value (≥ 12-ft-lb): N/A 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	8 oz			
Liquid pH	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.: 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

UET

ATTACHMENT 1

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5.[6] Parent Drum No.: 5834958

Comments: Liner was previously drilled and drained. liner
unable to retain liquid. Hole drilled in liner near bottom
of drum. First daughter # ~~LAD000006877~~ ¹⁻²⁸⁻¹⁴ # LAD0000068774
received rigid liner. Second daughter # LAD0000068775
received waste from parent. 3/4 gallon of total liquid
remediated.

9.1[1] Performed By: Heath Wade | Heath Wade 12872201 1-28-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R. Casser | Jon R. Casser 234252 1-28-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Robert V. Hender | Robert V. Hender 224930 1-22-14
SOM or designee (print) Signature Z# Date/Time

1822



CONTAINERID: 68775

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>
68775	55G	LA00000068775	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

L A-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1904	NDA	Complete	2014-02-03
L A-RTR2-14- 0014	RTR	Complete	2014-02-03

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68775	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>
68775	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-14-0020
Examination Date:	2/12/2014
Waste Container ID:	68776
Video/Audio Recorded Media Number:	LA-HERTR-14-0020 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>133.5</u> kg Tare Wt.: <u>27.7</u> kg Net Wt.: <u>105.8</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" 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:	75 %

CCP Radiography Data Sheet

Waste Container ID: 68776

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Scrap metal	
AM:	
OM:	
OI:	
C: Fiberboard liner sleeve	
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):	0.0
Other:	0.0
Total Packaging Weight	27.7
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	5.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	4.0
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	94.8
Soils (S):	
Total WMP Weight:	105.8

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

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Waste Container ID: 68776

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

2/12/2014

Date

ATTACHMENT 1

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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 87221

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) 40.234252 / 2-6-14
Initials/Z# Date

5.[7] Remediation start date: 2-6-14
Parent Drum Weight (lb): 357 lb

5.[8] RCRA designation (EPA Codes): 0007, 0008, 0009, Foo1

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: 101416
Cal. Expiration Date: 1-6-15
Range in ft-lb: 40-200
Tolerance: ± 3% CW ± 6% CCW

UET

ATTACHMENT 1

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5.[6] Parent Drum No.: 87221

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

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

7.[3][D][a] Lifting device fasteners torque value (≥ 12-ft-lb): N/A 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.[63]/7.[4][F] Daughter Drum No.: LA 00000068776 N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): N/A ft-lb

5.[70][C] Secondary daughter drum No.: LA 00000068920

5.[71] Liquid pH: N/A

5.[74] Total amount of liquid found: N/A gal

5.[75] Amount of absorbent used: 2 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A

RLW 187001 / 12-7-14
 Initials/Z# Date

CS

5.[84] (*) 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.: 87221

Comments: Checked Rigid Liner For Liquid. Holes Had Already Been Drilled. No Free Liquid Found. One container found did not contain liquid. Rigid Liner placed into Daughter # LA00000068776 Along with steel 4x4 blocks to Elevate liner. Excess Waste From parent and QAD Trash associated with process placed into secondary Daughter # LA00000068920. Holes Drilled in liner so liquid can not be retained 2-7-14

No Further Entries

9.1[1] Performed By: Justin Lopez [Signature] 266436 2-7-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R Casser [Signature] 239252 2-7-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Pat O'Grady [Signature] 11513581 2-8-14
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68776

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>
68776	55G	LA00000068776	NO WDS STATUS	NO		LA-MIN03-NC.001- 88 (LA-MIN03-NC.001 -Lot 88)	

L A-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1911	NDA	Complete	2014-02-14
LA-HERTR-14- 0020	RTR	Complete	2014-02-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68776	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68776	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-RTR2-14-0014
Examination Date:	2/3/2014
Waste Container ID:	68777
Video/Audio Recorded Media Number:	LA-RTR2-14-0014 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>171.0</u> kg Tare Wt.: <u>36.1</u> kg Net Wt.: <u>134.9</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: 68777

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	
R:	
XPM:	
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 and Plastic Liner Bag	8.4
Other:	0.0
Total Packaging Weight	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	
Organic Matrix (OR):	
Inorganic Matrix (IN):	134.9
Soils (S):	
Total WMP Weight:	134.9

CCP Radiography Data Sheet

Waste Container ID: 68777

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

2/3/2014
Date

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

- 5.[6] Parent Drum No.: S 800412
- 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 to 325 FGE (Section 6 only) SAT UNSAT N/A
- IPC-2
- 5.[3] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) KEP 287213 / 1-29-14
Initials/Z# Date
- 5.[7] Remediation start date: 1-29-14
- 5.[8] RCRA designation (EPA Codes): F001, D007, D008, D007
- 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: N/A
- 5.[25] Rigid liner contains an internal poly-liner: YES NO
- 5.[29] Torque wrench information:
MT&E No: 1014/6
Cal. Expiration Date: 1-16-15
Range in ft-lb: 200-40
Tolerance: ±4% CW ±6% CCW
- 5.[30] Torque value for the torque wrench is within the calibrated range: YES NO

ATTACHMENT 1
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5.[6] Parent Drum No.: 5800412

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	2 QT	1 QT	1/2 QT	1 QT
Liquid pH	9	12	12	11

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.: LA 000 000 68 795

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

SL/2664361 1-29-14
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

TA-54 Area G Sludge Remediation SSSR Activities

Document No.: EP-AREAG-WO-DOP-1085

Revision: 2

Effective Date: 12/11/13

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5.[6] Parent Drum No.: 5800412

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	107	107	107	N/A
Liquid pH	12	12	12	

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.: 1A00000068795

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

SL/2669261 1-24-14
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)

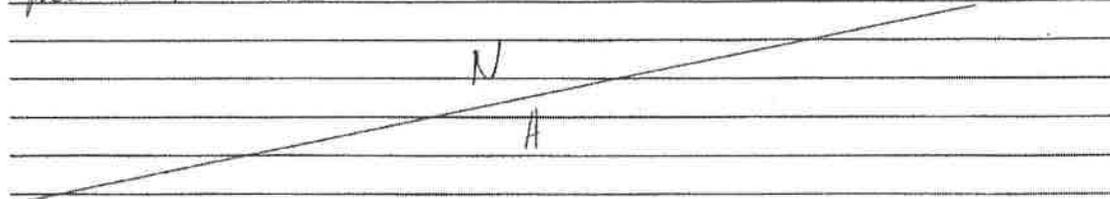
SAT UNSAT

ATTACHMENT 1

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5.[6] Parent Drum No.: S800412

Comments: 1-29-14 Parent S800412 was opened and checked for liquids on top of poly liner. Absorbant was placed as a precautionary for drum invert. Rigid liner was removed from S800412 and placed into LA00000068772. Holes were drilled to insure no free liquid was present in Rigid liner. Holes were at bottom and top of liner. NO liquids can be retained. A second daughter was used: LA00000068795 in which sludge and opened and drained bottles were disposed in. Also thrown in second daughter was room trash related to process. 1-29-14



9.1[1] Performed By: Justin Cooper [Signature] 1266786 1-29-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Joe Wise [Signature] 254390 1-29-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Robert V Harder [Signature] 1224934 1-29-14
SOM or designee (print) Signature Z# Date/Time 1223



CONTAINERID: 68777

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>
68777	55G	LA00000068777	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA1263	NDA	Complete	2014-02-04
LA-RTR2-14-0014	RTR	Complete	2014-02-03

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68777	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>
68777	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-14-0017
Examination Date:	2/6/2014
Waste Container ID:	68798
Video/Audio Recorded Media Number:	LA-HERTR-14-0017 C&D
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>186.5</u> kg Tare Wt.: <u>36.1</u> kg Net Wt.: <u>150.4</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 1 layer
Volume Utilization Percentage:	95 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Page 2 of 3

Waste Container ID: 68798

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	
R:	
XPM: 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): Plastic Liner Bag and Rigid Liner	8.4
Other:	0.0
Total Packaging Weight	36.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	149.4
Soils (S):	
Total WMP Weight:	150.4

CCP Radiography Data Sheet

Waste Container ID: 68798

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:

Thad Hasselstrom		2/6/2014
Print Name	Signature	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.: 5823819

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

(*) 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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) 46/2972601-31-14
 Initials/ZZ# _____ Date _____

5.[7] Remediation start date: 1-31-14
 Parent Drum Weight (lb): 463.05 lb

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: 101416
 Cal. Expiration Date: 1-4-15
 Range in ft.-lb: 40 - 200 in./165
 Tolerance: ± 3% over / 1 G% low

TA-54 Area G Sludge Remediation SSSR Activities

UET

ATTACHMENT 1
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5.[6] Parent Drum No.: 5823819

Comments: Drill and drained previously performed. Hole drilled in liner near bottom of drum. Liner unable to contain liquid. Daughter # LA0000068798 contained rigid liner. Daughter # LA0000068797 contained waste and debris from parent. Total of 6 ounces of liquid removed.

9.1[1] Performed By: Heath Wade Signature Heath Wade Z# 1200011-31-14 Date

9.1[2] Reviewed By: John R. Anderson Signature John R. Anderson Z# 234852 Date 11-31-14

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

9.1[3][E] Approved By: Robert V. Hand Signature Robert V. Hand Z# 1724034 Date/Time 1-31-14 14:01



CONTAINERID: 68798

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>
68798	55G	LA0000068798	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1906	NDA	Complete	2014-02-07
LA-HERTR-14- RTR 0017		Complete	2014-02-06

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68798	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68798	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-RTR2-14-0023
Examination Date:	2/24/2014
Waste Container ID:	68858
Video/Audio Recorded Media Number:	LA-RTR2-14-0023 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>181.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>146.9</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:	95 %

CCP Radiography Data Sheet

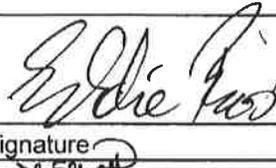
Waste Container ID: 68858

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Scrap metal	
AM:	
OM:	
OI:	
C:	
R:	
XPM: Plastic sheeting, liner lid, plastic containers	
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):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	3.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	143.0
Soils (S):	
Total WMP Weight:	146.9

CCP Radiography Data Sheet

Waste Container ID: 68858

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: SME/OJT Aaron Elliott monitoring operator Eddie Rios at the controls to evaluate proficiency and provide training/mentoring as required.		
RTR Operator:		
Eddie Rios <hr/> Print Name AARON ELLIOTT	 <hr/> Signature Eddie Rios	2/24/2014 <hr/> Date 2/24/14

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: LA00000068858

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) HW/287220 / 12-19-14
Initials/Z# Date

5.[7] Remediation start date: 2-19-14
 Parent Drum Weight (lb): 380 lb

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: 021151
 Cal. Expiration Date: 8-5-14
 Range in ft-lb: 10-80
 Tolerance: ± 3% cw / ± 6% ccw

ATTACHMENT 1

5.[6] Parent Drum No.: LA00000068858

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

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

7.[3][D][a] Lifting device fasteners torque value (≥ 12-ft-lb): N/A 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.[63]/7.[4][F] Daughter Drum No.: _____ N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): N/A ft-lb

5.[70][C] Secondary daughter drum No.: N/A

5.[71] Liquid pH: 2-19-14 HW
A/A 8

5.[74] Total amount of liquid found: 1 cup gal

5.[75] Amount of absorbent used: 1/2 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
HW/287820/2-19-14
 Initials/Z# Date

CS

5.[84] (*) 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.:

LA000000068858

Comments: About 20 feet of housing was removed.
Liner was inverted to remediate prohibited item. 1 cup
of liquid was removed. Total of 1/2 lb of absorbent
used

9.1[1] Performed By: Heath Wade Heath Wade 128722 2-19-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R. Cannon Jon R. Cannon 234252 2-19-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Robert V. Hardin Robert V. Hardin 122430 2-19-14
SOM or designee (print) Signature Z# Date/Time 1803



CONTAINERID: 68858

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>
68858	55G	LA00000068858	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1916	NDA	Complete	2014-02-25
L/A-RTR2-14-0023	RTR	Complete	2014-02-24

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68858	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>
68858	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-RTR2-14-0023
Examination Date:	2/24/2014
Waste Container ID:	68860
Video/Audio Recorded Media Number:	LA-RTR2-14-0023 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

CCP-TP-053 Attachment 2 (continued)

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Waste Container ID: 68860

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Scrap metal	
AM:	
OM:	
OI:	
C:	
R:	
XPM: Plastic containers, 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):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	147.0
Soils (S):	
Total WMP Weight:	149.9

CCP Radiography Data Sheet

Waste Container ID: 68860

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: SME/OJT Aaron Elliott monitoring operator Eddie Rios at the controls to evaluate proficiency and provide training/mentoring as required.	
RTR Operator: <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 30%;"> <p style="margin: 0;">Eddie Rios</p> <hr style="border: 0; border-top: 1px solid black;"/> <p style="margin: 0; font-size: small;">Print Name</p> <p style="margin: 0; font-size: x-small;">AARON ELLIOTT</p> </div> <div style="width: 30%; text-align: center;"> <hr style="border: 0; border-top: 1px solid black;"/> <p style="margin: 0; font-size: small;">Signature</p> <p style="margin: 0; font-size: x-small;">Sacchetti</p> </div> <div style="width: 30%; text-align: right;"> <p style="margin: 0;">2/24/2014</p> <hr style="border: 0; border-top: 1px solid black;"/> <p style="margin: 0; font-size: small;">Date</p> <p style="margin: 0; font-size: x-small;">2/24/14</p> </div> </div>	

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: LA000000 08800

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) AW 254390 2-18-14
(RW 18700) 2-18-14
Initials/Z# Date

5.[7] Remediation start date: 2-18-14
Parent Drum Weight (lb): 419.1 lb

5.[8] RCRA designation (EPA Codes): 0007, 0008, 0009, F001

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

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

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

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

5.[29] Torque wrench information:
MT&E No: N/A
Cal. Expiration Date: _____
Range in ft-lb: _____
Tolerance: _____

UET

ATTACHMENT 1

Page 3 of 3

5.[6] Parent Drum No.: LA00000068860

Comments: Drum opened to check for liquid between liner and drum as well as to verify that all containers empty. 10 containers found contain small amounts of liquid. All liquid absorbed. All containers verified empty. 2 lbs of absorbent added between liner and drum

No Further Entries

9.1[1] Performed By: Joe Wise Joe Wise 254370 2-18-14
Cyrus Wicks [Signature] 118700112 2-8-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Joe Wise Joe Wise 254370 2-18-14
[Signature] [Signature] Z# Date
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Robert V. Blanton Robert V. Blanton 1224938 12-22-14
SOM or designee (print) Signature Z# Date/Time
1/2/15



CONTAINERID: 68860

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>
68860	55G	LA00000068860	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1916	NDA	Complete	2014-02-25
LA-RTR2-14-0023	RTR	Complete	2014-02-24

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68860	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>
68860	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-RTR2-14-0018
Examination Date:	2/12/2014
Waste Container ID:	68910
Video/Audio Recorded Media Number:	LA-RTR2-14-0018 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>108.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>74.4</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:	100 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Page 2 of 3

Waste Container ID: 68910

Section 3: Container Inventory and Comments

(Detailed descriptions)

IM: Metal tubing

AM:

OM:

OI:

C:

R:

XPM: Liner lid cut in half, open plastic bucket, 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/no lid	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	4.0
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):	67.4
Soils (S):	
Total WMP Weight:	74.4

CCP Radiography Data Sheet

Waste Container ID: 68910

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: Top part of liner was cut off, But I gave the full weight for the liner in packaging material. SME/OJT Kenneth Simpson monitoring operator Eddie Rios at the controls to evaluate proficiency and provide training/mentoring as required.

RTR Operator:

Eddie Rios		2/12/2014
Print Name	Signature	Date

Kenneth Simpson

Kenneth Simpson

2/12/14

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5822090

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 \leq 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) HW/287220 12-5-14
Initials/Z# Date

5.[7] Remediation start date: 7-5-14
 Parent Drum Weight (lb): 429.7545 lb

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: 6

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

5.[29] Torque wrench information:
 MT&E No: 10416
 Cal. Expiration Date: 1-6-15
Range in ft-lb: 40-200
 Tolerance: $\pm 3\%$ ccw / $\pm 6\%$ ccw

UET

ATTACHMENT 1
 Page 2 of 3

5.[6] Parent Drum No.: 5822090

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

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

7.[3][D][a] Lifting device fasteners torque value (≥ 12-ft-lb): 2-6-14 MW
12 N/A 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.[63]/7.[4][F] Daughter Drum No.: LA00000068910 N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): N/A ft-lb

5.[70][C] Secondary daughter drum No.: LA00000068912

5.[71] Liquid pH: 6

5.[74] Total amount of liquid found: 1/4 gal

5.[75] Amount of absorbent used: 1/2 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A

HW/28/2012-6-14
 Initials/Z# Date

CS

5.[84] (*) 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.: 5822090

Comments: Drilled and drained preformed Liner unable to retain liquid. First daughter # LA00000068910 contain rigid liner. Second daughter # LA00000068912 contained waste from percent. 1 gallon container found that was breached. metal banding placed in container for RTR.

9.1[1] Performed By: Heath Wade Operator (Print) Heath Wade Signature 12872207-6-14 Z# Date

9.1[2] Reviewed By: Jan R. Cassel Supervision (Print) Jan R. Cassel Signature 234252 12-6-14 Z# Date

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

9.1[3][E] Approved By: Robert V. Harder SOM or designee (print) Heath Wade Signature 1224938 2-6-14 Z# Date/Time 1816



CONTAINERID: 68910

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>
68910	55G	LA00000068910	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
4LANDA0052	NDA	Complete	2014-02-13
LA-RTR2-14-0018	RTR	Complete	2014-02-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68910	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68910	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-RTR2-14-0018
Examination Date:	2/12/2014
Waste Container ID:	68912
Video/Audio Recorded Media Number:	LA-RTR2-14-0018 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 checked="" type="checkbox"/> Yes <i>E.R. 2-17-14 E.R. 2-17-14</i> <i>KLS 2-17-14 KLS 2-17-14</i> NCR No.: N/A <i>NCR-LANL-0117-14</i> <i>E.R. 2-17-14</i> 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.: 99.0 kg Tare Wt.: 27.0 kg Net Wt.: 72.0 kg <i>2 KLS 2-17-14</i> <i>E.R. 2-17-14</i> <i>E.R. 2-17-14 KLS 2-17-14</i>
Rigid Liner and Liner Vent Description:	Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" 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:	55 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Page 2 of 3

Waste Container ID: 68912

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Hand tool, scrap metal	
AM:	
OM:	
OI:	
C:	
R:	
XPM: Open plastic bucket, plastic sheeting	
OR:	
IN: Homogeneous solids	
S:	

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	<i>KCS 2-17-14 27.87 E.R. 2-17-14</i>
Plastics (PP):	0.0
Other:	0.0
Total Packaging Weight	<i>KCS 2-17-14 27.87 E.R. 2-17-14</i>
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):	<i>KCS 2-17-14 68.0 65.3 E.R. 2-17-14</i>
Soils (S):	
Total WMP Weight:	<i>KCS 2-17-14 72.0 71.3 E.R. 2-17-14</i>

CCP Radiography Data Sheet

Waste Container ID: 68912

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: SME/OJT Kenneth Simpson monitoring operator Eddie Rios at the controls to evaluate proficiency and provide training/mentoring as required. <i>NCR-LANL-0117-14 ER 2-17-14</i> <i>KKS 2-17-14</i>	
RTR Operator:	<i>2-17-14</i>
<u>Eddie Rios</u>	<u>2/12/2014</u>
Print Name	Date
<i>Kenneth Simpson</i>	<i>2-17-14</i>
<i>Eddie Rios</i>	<i>2/12/14</i>
Signature	Date
<i>Kenneth Simpson</i>	<i>2/12/14</i>

ATTACHMENT 1

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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5822090

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) Hw/287220 12-5-14
Initials/Z# Date

5.[7] Remediation start date: 7-5-14
Parent Drum Weight (lb): 429.7545 lb

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: 6

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

5.[29] Torque wrench information:
MT&E No: 10416
Cal. Expiration Date: 1-6-15
Range to full
Tolerance: 40-200
± 3%ccw/± 6%ccw

UET

ATTACHMENT 1
 Page 2 of 3

5.[6] Parent Drum No.: 5822090

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

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

7.[3][D][a] Lifting device fasteners torque value (\geq 12-ft-lb): 2-6-14 MW
~~12~~ N/A 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.[63]/7.[4][F] Daughter Drum No.: LA00000068910 N/A

5.[64] Lifting device fasteners torque value (\geq 12-ft-lb): N/A ft-lb

5.[70][C] Secondary daughter drum No.: LA00000068912

5.[71] Liquid pH: 6

5.[74] Total amount of liquid found: 1/4 gal

5.[75] Amount of absorbent used: 1/2 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
HAJ/28/201 2-6-14
 Initials/Z# Date

CS

5.[84] (*) 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

Page 3 of 3

5.[6] Parent Drum No.: 5822090

Comments: Drilled and drained preformed liner unable to retain liquid. First daughter # LA00000068910 contain rigid liner. Second daughter # LA00000068912 contained waste from parent. 1 gallon container found that was breached. metal banding placed in container for RTR.

9.1[1] Performed By: Heath Wade Heath Wade 12872302-6-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jan R. Crosson Jan R. Crosson 234252 12-6-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Robert V. Hardee Heath Wade 1224934 2-6-14
SOM or designee (print) Signature Z# Date/Time
1816



CONTAINERID: 68912

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>
68912	55G	LA00000068912	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
4LANDA0055	NDA	Complete	2014-02-19
LA-RTR2-14-0018	RTR	Complete	2014-02-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68912	ncr-lanl0117140	Closed	Resolved

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68912	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-14-0020
Examination Date:	2/12/2014
Waste Container ID:	68915
Video/Audio Recorded Media Number:	LA-HERTR-14-0020 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>187.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>152.9</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

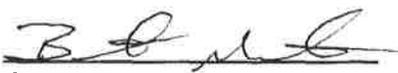
Waste Container ID: 68915

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Scrap metal	
AM:	
OM:	
OI:	
C: Tape rolls	
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):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	0.5
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	148.4
Soils (S):	
Total WMP Weight:	152.9

CCP Radiography Data Sheet

Waste Container ID: 68915

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>Benito Maestas</u> Print Name	 Signature	2/12/2014 Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

- 5.[6] Parent Drum No.: 5807041
- 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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A
- 5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) ^{9C 234252 2-7-14} W 18700 / 2-7-14
Initials/Z# Date
- 5.[7] Remediation start date: 2-7-14
- Parent Drum Weight (lb): 465.69 lb
- 5.[8] RCRA designation (EPA Codes): 0007 0008 0009 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: 6
- 5.[25] Rigid liner contains an internal poly-liner: YES NO
- 5.[29] Torque wrench information:
- MT&E No: 101416
 - Cal. Expiration Date: 01-06-15
 - Range in ft-lb: 40-200
 - Tolerance: ±3% CW ±6% CCW

ATTACHMENT 1

5.[6] Parent Drum No.: 5807041

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

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

7.[3][D][a] Lifting device fasteners torque value (≥ 12-ft-lb): N/A 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	4.2	 	N/A	
Liquid pH	13	 	 	

5.[63]/7.[4][F] Daughter Drum No.: LA000000 68915 N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): N/A ft-lb

5.[70][C] Secondary daughter drum No.: LA000000 68916

5.[71] Liquid pH: 6

5.[74] Total amount of liquid found: 1.5 gal

5.[75] Amount of absorbent used: 2 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) 90 234252 N/A 2-7-14
R 187001 / 2-7-14
 Initials/Z# Date

(CS) 5.[84] (*) 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.: 5807041

Comments: 6 Holes Drilled in Rigid Liner All Liquid Suctioned and Absorbed. Container Found and Remediated Liquid Absorbed and Flare Placed in container. Liner can no longer retain liquid. Rigid liner and contents placed into Daughter # LA00000068915. Absorbed liquid, excess waste, and Rad Trash associated with process placed into Secondary Daughter # LA00000068916.

9.1[1] Performed By: Jon R Casser Jon R Casser 234252 2-7-14
 Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R Casser Jon R Casser 234252 2-7-14
 Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Pat OGrady Pat OGrady 11512581 2-8-14
 SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68915

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>
68915	55G	LA00000068915	NO WDS STATUS	NO	L A-MIN03-NC.001	LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001-Lot 88)	

L A-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1910	NDA	Complete	2014-02-13
LA-HERTR-14-0020	RTR	Complete	2014-02-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68915	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68915	NO DATA			

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Page 2 of 3

Waste Container ID: 68917

Section 3: Container Inventory and Comments

(Detailed descriptions)

IM: Open 5 gal metal bucket

AM:

OM:

OI:

C: Wood handled brush

R:

XPM: 90 mil liner lids, electrical cord

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):	1.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	0.1
Rubber (R):	
Plastics (waste materials) (XPM):	2.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	147.6
Soils (S):	
Total WMP Weight:	151.4

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

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Waste Container ID: 68917

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

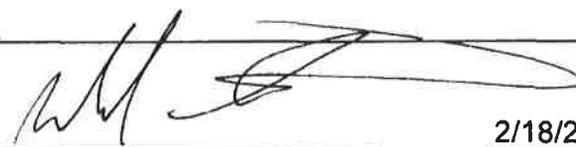
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags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

2/18/2014

Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5817024

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) KP 287213 2-8-14
GW 187001 12-8-14
Initials/Z# Date

5.[7] Remediation start date: 2-8-14
Parent Drum Weight (lb): 444.3 lb

5.[8] RCRA designation (EPA Codes): F001, D007, D008, D609

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: 101414
Cal. Expiration Date: 01/06/15
Range in ft-lb: 20-200
Tolerance: $\pm 3\%$ CCW $\pm 6\%$ CCW

UET

ATTACHMENT 1

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5.[6] Parent Drum No.: 5817024

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

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

7.[3][D][a] 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.[63]/7.[4][F] Daughter Drum No.: LA00000068917 N/A

5.[64] Lifting device fasteners torque value (\geq 12-ft-lb): N/A ft-lb

5.[70][C] Secondary daughter drum No.: N/A

5.[71] Liquid pH: 7

5.[74] Total amount of liquid found: 2 gal

5.[75] Amount of absorbent used: 3.5 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17)
 Initials/Z# dk 2872 N/A
 Date 18201 12-8-14

CS

5.[84] (*) 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.: 5817024

Comments: 6 Holes Drilled in Rigid liner liquid suctioned and Absorbed
-RA no longer retain liquid. contents searched no containerized
liquid found. Rigid liner and absorbed liquid placed into Daughter
LA000 000 68917 - All liquids Absorbed.

9.1[1] Performed By: Kristofer F. Petz [Signature] 287213 2-8-14
 Operator (Print) Signature Z# Date
Alyson Wells

9.1[2] Reviewed By: Jon R. Casson [Signature] 2342521 2-8-14
 Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Pat O'Grady [Signature] 11513581 2/8/14
 SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68917

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>
68917	55G	LA0000068917	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1913	NDA	Complete	2014-02-20
LA-RTR2-14-0020	RTR	Complete	2014-02-18

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68917	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>
68917	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-RTR2-14-0018
Examination Date:	2/12/2014
Waste Container ID:	68918
Video/Audio Recorded Media Number:	LA-RTR2-14-0018 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>67.0</u> kg Tare Wt.: <u>27.7</u> kg Net Wt.: <u>39.3</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" 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:	50 %

CCP Radiography Data Sheet

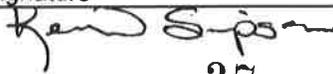
Waste Container ID: 68918

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

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP):	0.0
Other:	0.0
Total Packaging Weight	27.7
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):	0.1
Rubber (R):	
Plastics (waste materials) (XPM):	3.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	36.1
Soils (S):	
Total WMP Weight:	39.3

CCP Radiography Data Sheet

Waste Container ID: 68918

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: SME/OJT Kenneth Simpson monitoring operator Eddie Rios at the controls to evaluate proficiency and provide training/mentoring as required.		
RTR Operator:		
<u>Eddie Rios</u> Print Name	 Signature	<u>2/12/2014</u> Date
<u>Kenneth Simpson</u>	 Signature	<u>2/12/14</u>

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5822192

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) 287212 12-8-14
Initials/Z# Date

5.[7] Remediation start date: 2-8-14

Parent Drum Weight (lb): 435.2 lb

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

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: 7

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

5.[29] Torque wrench information: MT&E No: 101416

Cal. Expiration Date: 1/6/15

Range in ft-lb: 40-200

Tolerance: ± 3% CCW ± 6% CCW

UET

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: 5822192

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

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

7.[3][D][a] Lifting device fasteners torque value (≥ 12-ft-lb): ~~12~~ NA ft-lb
12-3-14

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>2 cups</u>	NA	
Liquid pH	<u>9</u>	NA	

5.[63]/7.[4][F] Daughter Drum No.: LA00000068922 N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): NA ft-lb

5.[70][C] Secondary daughter drum No.: LA00000068918

5.[71] Liquid pH: 7

5.[74] Total amount of liquid found: 4 gal

5.[75] Amount of absorbent used: 6 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A

H 20721212-8-14
Initials/Z# Date

CS

5.[84] (*) 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.: 5822192

Comments: 5 holes were made in the ridged liner all holes were drilled on bottom of liner retained 4 gallons of liquid which was absorbed. The ridged liner cannot retain liquid. 2 containers were found and the liquid was absorbed during process.

9.1[1] Performed By: LENNY LEROUGE [Signature] 12812121 2-8-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R Casser [Signature] 234252 12-8-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Pat OGrady [Signature] 1157258 3/9/14 1753
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68918

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>
68918	55G	LA00000068918	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
4LANDA0055	NDA	Complete	2014-02-19
LA-RTR2-14-0018	RTR	Complete	2014-02-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68918	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68918	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-RTR2-14-0018
Examination Date:	2/12/2014
Waste Container ID:	68920
Video/Audio Recorded Media Number:	LA-RTR2-14-0018 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>73.5</u> kg Tare Wt.: <u>27.7</u> kg Net Wt.: <u>45.8</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Lid: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Type: <input type="checkbox"/> 30-mil <input type="checkbox"/> 90-mil <input type="checkbox"/> 110-mil <input type="checkbox"/> 125-mil Vented: <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" 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:	80 %

CCP Radiography Data Sheet

Waste Container ID: 68920

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Metal hardware, scrap metal	
AM:	
OM:	
OI:	
C: Coveralls	
R:	
XPM: Plastic sheeting, plastic lids, magic marker, plastic strap, liner lids, cut up 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):	0.0
Other:	0.0
Total Packaging Weight	27.7
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	1.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	2.0
Rubber (R):	
Plastics (waste materials) (XPM):	11.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	31.3
Soils (S):	
Total WMP Weight:	45.8

CCP Radiography Data Sheet

Waste Container ID: 68920

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: SME/OJT Kenneth Simpson monitoring operator Eddie Rios at the controls to evaluate proficiency and provide training/mentoring as required.

RTR Operator:

Eddie Rios

Print Name


Signature

2/12/2014

Date

Kenneth Simpson


21

2/12/14

ATTACHMENT 1
 Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 87221

4.3[8][A] (\$) Total volume of flammable liquids within the SSSR AREA boundaries for operation and maintenance activities is ≤ 7 gal: 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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) 2-6-14 204252 2-6-14
 Initials/Z# Date

5.[7] Remediation start date: 2-6-14
 Parent Drum Weight (lb): 357 lb

5.[8] RCRA designation (EPA Codes): 0007, 0008, 0009, Foo1

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: 10116
 Cal. Expiration Date: 1-6-15
 Range in ft-lb: 40-200
 Tolerance: ± 3% @ ± 65.000

ATTACHMENT 1
 Page 2 of 3

5.[6] Parent Drum No.: 8722.1
 5.[30] Torque value for the torque wrench is within the calibrated range: YES NO
 5.[32] Lifting device fasteners torque value (≥ 12-ft-lb): 12 ft-lb
 7.[3][D][a] Lifting device fasteners torque value (≥ 12-ft-lb): N/A ft-lb

7.[7] (\$) SAC 5.7.12 non-compliant containers are present: 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.[63]7.[6][F] Daughter Drum No.: LA 0000048776 N/A
 5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): N/A ft-lb
 5.[70][C] Secondary daughter drum No.: LA 0000048920

5.[71] Liquid pH: N/A
 5.[74] Total amount of liquid found: N/A gal
 5.[75] Amount of absorbent used: 2 lb
 5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
QW 18/20/14 12:27-14
 Initials/Z# Date

5.[84] (*) 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
 Page 3 of 3

5.[6] Parent Drum No.: 87221

Comments: Checked liquid liner for liquid. Holes has already been drilled. No free liquid found. One container found did not contain liquid. Liquid liner placed into Duvallier # 40000065726/164 with steel type blocks to E/late liner. Excess waste from parent and RAD Trench associated with process placed into secondary Duvallier # 40000065720. Holes drilled in liner so liquid can not be retained 2-2-14

~~No Free Liquid Entries~~

- 9.1[1] Performed By: Juan Carlos Lopez 266058 2-2-14
 Operator (Print) Signature Z# Date
 9.1[2] Reviewed By: Juan R. Casanova 209252 2-2-14
 Supervision (Print) Signature Z# Date
 9.1[3][B] Acceptance criteria satisfied: YES NO
 9.1[3][E] Approved By: Pat O'Shea 152389 2-2-14
 SSM or designee (print) Signature Z# Date/Time



CONTAINERID: 68920

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>
68920	55G	LA00000068920	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

L/A-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
4LANDA0052	NDA	Complete	2014-02-13
LA-RTR2-14-0018	RTR	Complete	2014-02-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68920	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68920	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-14-0020
Examination Date:	2/12/2014
Waste Container ID:	68922
Video/Audio Recorded Media Number:	LA-HERTR-14-0020 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>167.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>133.4</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: 68922

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	
R:	
XPM: Plastic sheeting, plastic lids	
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):	6.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	127.4
Soils (S):	
Total WMP Weight:	133.4

CCP Radiography Data Sheet

Waste Container ID: 68922

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>Benito Maestas</u> Print Name	 Signature	<u>2/12/2014</u> Date

ATTACHMENT 1

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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5822192

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) 287212 12-8-14
Initials/Z# Date

5.[7] Remediation start date: 2-8-14
Parent Drum Weight (lb): 435.2 lb

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

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: 7

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

5.[29] Torque wrench information:
MT&E No: 101416
Cal. Expiration Date: 1/6/15
Range in ft-lb: 40-200
Tolerance: ± 3% (LW) ± 6% (CW)

UET

ATTACHMENT 1
 Page 2 of 3

5.[6] Parent Drum No.: 5822192

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

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

7.[3][D][a] Lifting device fasteners torque value (≥ 12-ft-lb): ~~12~~ ^{#2-8-14} NA 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>2 cups</u>	<u>NA</u>	
Liquid pH	<u>9</u>	<u>NA</u>	

5.[63]/7.[4][F] Daughter Drum No.: LA00000068922 N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): NA ft-lb

5.[70][C] Secondary daughter drum No.: LA00000068918

5.[71] Liquid pH: 7

5.[74] Total amount of liquid found: 4 gal

5.[75] Amount of absorbent used: 6 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A

28721212-8-14
 Initials/Z# Date

CS

5.[84] (*) 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.: 5822192

Comments: 5 holes were made in the ridged liner all holes were drilled on bottom of liner retained 4 gallons of liquid which was absorbed. The ridged liner cannot retain liquid. 2 containers were found and the liquid was absorbed during process.

9.1[1] Performed By: LENNY LEROUGE [Signature] 12812121 2-8-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: John R. Cassee [Signature] 234252 12-8-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Pat O'Grady [Signature] 1157258 2/9/14 1753
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68922

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>
68922	55G	LA00000068922	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1910	NDA	Complete	2014-02-13
LA-HERTR-14- RTR 0020		Complete	2014-02-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68922	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>
68922	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-RTR2-14-0020
Examination Date:	2/18/2014
Waste Container ID:	68923
Video/Audio Recorded Media Number:	LA-RTR2-14-0020 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>199.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>165.4</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 1 layer
Volume Utilization Percentage:	100 %

CCP Radiography Data Sheet

Waste Container ID: 68923

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	
R:	
XPM: Plastic bags, 90 mil liner lids	
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):	6.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	159.4
Soils (S):	
Total WMP Weight:	165.4

CCP Radiography Data Sheet

Waste Container ID: 68923

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>2/18/2014</u> Date

ATTACHMENT 1

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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 87452

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) HW/297220/2-11-14
Initials/Z# Date

5.[7] Remediation start date: 2-11-14
Parent Drum Weight (lb): 421.5 lb

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: 12

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

5.[29] Torque wrench information:
MT&E No: 101416
Cal. Expiration Date: 1-6-15
Range in ft-lb: 40-200 inch lbs
Tolerance: * 3% CW / \pm 6% CCW

UET

ATTACHMENT 1

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5.[6] Parent Drum No.: 87452

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

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

7.[3][D][a] Lifting device fasteners torque value (\geq 12-ft-lb): N/A 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.[63]/7.[4][F] Daughter Drum No.: LA00000068923 N/A

5.[64] Lifting device fasteners torque value (\geq 12-ft-lb): N/A ft-lb

5.[70][C] Secondary daughter drum No.: N/A

5.[71] Liquid pH: 12

5.[74] Total amount of liquid found: 2-11-14 HW 3 1/2 gal
3 cups gal

5.[75] Amount of absorbent used: 1/2 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
HW/2872201 2-11-14
 Initials/Z# Date

CS

5.[84] (*) 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.:

87452

Comments:

Drill and drain previously done. 1/2 gallon of liquid removed from liner. PH of 12. Neutralized and absorbed.

9.1[1]

Performed By:

Heath Wade
Operator (Print)

Heath Wade
Signature

R8722012-11-14
Z# Date

9.1[2]

Reviewed By:

Jon R Casser
Supervision (Print)

Jon R Casser
Signature

234252 12-11-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES

NO

9.1[3][E]

Approved By:

Dennis Cicchetti
SOM or designee (print)

Dennis Cicchetti
Signature

186608 12/11/14 1743
Z# Date/Time



CONTAINERID: 68923

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>
68923	55G	LA00000068923	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1914	NDA	Complete	2014-02-21
LA-RTR2-14-0020	RTR	Complete	2014-02-18

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68923	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>
68923	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-RTR2-14-0020
Examination Date:	2/18/2014
Waste Container ID:	68924
Video/Audio Recorded Media Number:	LA-RTR2-14-0020 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>222.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>188.4</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:	100 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Page 2 of 3

Waste Container ID: 68924

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Drill bit, scrap metal	
AM:	
OM:	
OI:	
C:	
R:	
XPM: 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):	0.8
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	186.6
Soils (S):	
Total WMP Weight:	188.4

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Page 3 of 3

Waste Container ID: 68924

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>2/18/2014</u> Date

UET

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5817383

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) JF 28754 / 12/12/14
Initials/Z# Date

5.[7] Remediation start date: 2/12/2014
Parent Drum Weight (lb): 469 lb

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

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

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

5.[24[F] Liquid (top of drum) pH: PH 11

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

5.[29] Torque wrench information:
MT&E No: 101416
Cal. Expiration Date: 1/6/15
Range in ft-lb: 40-200 IN-LBS
Tolerance: +/- 3% or +/- 6 1/4 in.

UET

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: 5817383

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

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

7.[3][D][a] 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	100 ml			
Liquid pH	PH 13			

5.[63]/7.[4][F] Daughter Drum No.: LA00000068924 N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): 2 2/12/14
12 N/A ft-lb

5.[70][C] Secondary daughter drum No.: N/A

5.[71] Liquid pH: N/A

5.[74] Total amount of liquid found: N/A gal

5.[75] Amount of absorbent used: N/A lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A

287541 12/19/14
 Initials/Z# Date

CS

5.[84] (*) 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.: 5817383

Comments: PARENT CONTAINER 5817383 WAS OPENED AND
INVERTED FOR LIQUIDS ON TOP OF LINER. LINER WAS
REMOVED, DRILLED AND DRAINED. HOLE WAS DRILLED ON
TOP OF LINER SO NO LIQUIDS CAN BE RETAINED AFTER
LINER/DRUM IS INVERTED.

9.1[1] Performed By: Jeston Fox [Signature] 12275019/2/14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Joe Wise [Signature] 1543901 2-12-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Robert V. Hander [Signature] 1224530 2-12-14
SOM or designee (print) Signature Z# Date/Time
0624



CONTAINERID: 68924

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>
68924	55G	LA00000068924	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001-Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1913	NDA	Complete	2014-02-20
LA-RTR2-14-0020	RTR	Complete	2014-02-18

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68924	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68924	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 <i>RTR 2-17-14</i>
Batch Number:	LA-RTR-14-0018 <i>KXS 2-17-14</i>
Examination Date:	2/12/2014
Waste Container ID:	68925
Video/Audio Recorded Media Number:	<i>RTR 2-17-14</i> LA-RTR-14-0018 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 checked="" type="checkbox"/> Yes <i>E.R. 2-17-14 KXS 2-17-14</i> <i>E.R. 2-17-14 KXS 2-17-14</i> NCR No.: N/A <i>NCR-LANL-0116-14 E.R. 2-17-14</i> 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>197.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>163.4</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:	100 %

CCP Radiography Data Sheet

Waste Container ID: 68925

Section 3: Container Inventory and Comments

(Detailed descriptions)

IM:

AM:

OM:

OI:

C:

R:

XPM: 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): 90 mil Liner/no Lid	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):	161.4
Soils (S):	
Total WMP Weight:	163.4

CCP Radiography Data Sheet

Waste Container ID: 68925

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: SME/OJT Kenneth Simpson monitoring operator Eddie Rios at the controls to evaluate proficiency and provide training/mentoring as required. <i>NICR-LANE-D116-14 E.R. 2-17-14</i> <i>KKS 2-17-14</i>	
RTR Operator:	<i>2-17-14</i>
<u>Eddie Rios</u>	<u>2/12/2014</u>
Print Name	Date
<u>Kenneth Simpson</u>	<u>2-17-14</u>
Signature	<u>2/12/14</u>

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: S831688

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) KEP 20713 12-9-14
Initials/Z# Date

5.[7] Remediation start date: 2-9-14
Parent Drum Weight (lb): 453 lb

5.[8] RCRA designation (EPA Codes): D001, D007, D008, D009

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: 101416
Cal. Expiration Date: 01-06-15
Range in ft-lb: 40-200
Tolerance: +/- 3% CCW +/- 6% CCW

UET

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: S831684

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

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

7.[3][D][a] Lifting device fasteners torque value (≥ 12-ft-lb): 12 ft-lb
 Kp 2-9-14 NA

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.[63]/7.[4][F] Daughter Drum No.: LA00000068925 N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): NA ft-lb

5.[70][C] Secondary daughter drum No.: NA

5.[71] Liquid pH: NA

5.[74] Total amount of liquid found: NA gal

5.[75] Amount of absorbent used: NA lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
 KPD389213 12-9-14
 Initials/Z# Date

CS

5.[84] (*) 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.:

S831688

Comments:

Drum S831688 was pulled and inner liner was pulled out. This drum has been worked before and there was 12 hole drilled in it already. We pulled three plug's and there was no liquid. Went into the ridged lined to see if there was any PIDS, There was No PIDS, one broken bottle/glass. No liquid. This Drum can not retain any liquid. Fire watch Secured

9.1[1]

Performed By:

Kristofer E. Peltz
Operator (Print)

Kristofer E. Peltz
Signature

287213/2-9-14
Z# Date

9.1[2]

Reviewed By:

Jon R Caser
Supervision (Print)

Jon R Caser
Signature

234252 12-9-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES NO

9.1[3][E]

Approved By:

Pat O'Grady
SOM or designee (print)

Pat O'Grady
Signature

1151358 2/9/14 1754
Z# Date/Time



CONTAINERID: 68925

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>
68925	55G	LA0000068925	NO WDS STATUS	NO		L/A-MIN03-NC.001- 88 (L/A-MIN03-NC.001 -Lot 88)	

L/A-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1911	NDA	Complete	2014-02-14
LA-RTR2-14- 0018	RTR	Complete	2014-02-12

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68925	NCR-LANL0116140	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>
68925	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-RTR2-14-0019
Examination Date:	2/13/2014
Waste Container ID:	68926
Video/Audio Recorded Media Number:	LA-RTR2-14-0019 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>185.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>150.9</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: 68926

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	
R:	
XPM: Plastic bag	
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):	148.9
Soils (S):	
Total WMP Weight:	150.9

CCP Radiography Data Sheet

Waste Container ID: 68926

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

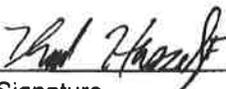
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags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

Thad Hasselstrom

Print Name


Signature

2/13/2014

Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5800409

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) HW/287220/2/10/14
Initials/Z# Date

5.[7] Remediation start date: 2-10-14
 Parent Drum Weight (lb): 429.975 lb

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: 101416
 Cal. Expiration Date: 1-6-15
 Range in ft-lb: 40-200 inch lbs
 Tolerance: ±3% r.w. / 6% c.w.

UET

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: 5800409

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

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

7.[3][D][a] Lifting device fasteners torque value (≥ 12-ft-lb): N/A 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.[63]/7.[4][F] Daughter Drum No.: LA00000068926 N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): 12 ft-lb

5.[70][C] Secondary daughter drum No.: N/A

5.[71] Liquid pH: N/A

5.[74] Total amount of liquid found: N/A gal

5.[75] Amount of absorbent used: N/A lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A

1
 Initials/Z# Date

CS

5.[84] (*) 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.:

5800409

Comments:

Drilled and drained preformed. No free liquid found.

~~_____

_____~~

9.1[1]

Performed By:

Heath Wade
Operator (Print)

Heath Wade
Signature

128728 2-10-14
Z# Date

9.1[2]

Reviewed By:

Jon R. Cassel
Supervision (Print)

Jon R. Cassel
Signature

234252 12-16-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES

NO

9.1[3][E]

Approved By:

Pat O'Grady
SOM or designee (print)

Pat O'Grady
Signature

1151358 2-10-14/1806
Z# Date/Time



CONTAINERID: 68926

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>
68926	55G	LA00000068926	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1912	NDA	Complete	2014-02-19
LA-RTR2-14-0019	RTR	Complete	2014-02-13

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68926	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>
68926	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-RTR2-14-0019
Examination Date:	2/13/2014
Waste Container ID:	68928
Video/Audio Recorded Media Number:	LA-RTR2-14-0019 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>224.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>190.4</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: 68928

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):	188.4
Soils (S):	
Total WMP Weight:	190.4

CCP Radiography Data Sheet

Waste Container ID: 68928

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:

Thad Hasselstrom

Print Name


Signature

2/13/2014

Date

UET

ATTACHMENT 1
 Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5803818

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) AW/287220 / 2-11-14
Initials/Z# Date

5.[7] Remediation start date: 2-11-14
 Parent Drum Weight (lb): 497 lb

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: 101416
 Cal. Expiration Date: 1-6-15
 Range in ft-lb: 40-200 inch lbs
 Tolerance: ±3% cw / ±6% ccw

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: 5803818

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

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

7.[3][D][a] Lifting device fasteners torque value (\geq 12-ft-lb): N/A 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.[63]/7.[4][F] Daughter Drum No.: LA00000068928 N/A

5.[64] Lifting device fasteners torque value (\geq 12-ft-lb): 12 ft-lb

5.[70][C] Secondary daughter drum No.: N/A

5.[71] Liquid pH: N/A

5.[74] Total amount of liquid found: N/A gal

5.[75] Amount of absorbent used: N/A lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A

 /
 Initials/Z# Date

CS

5.[84] (*) 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

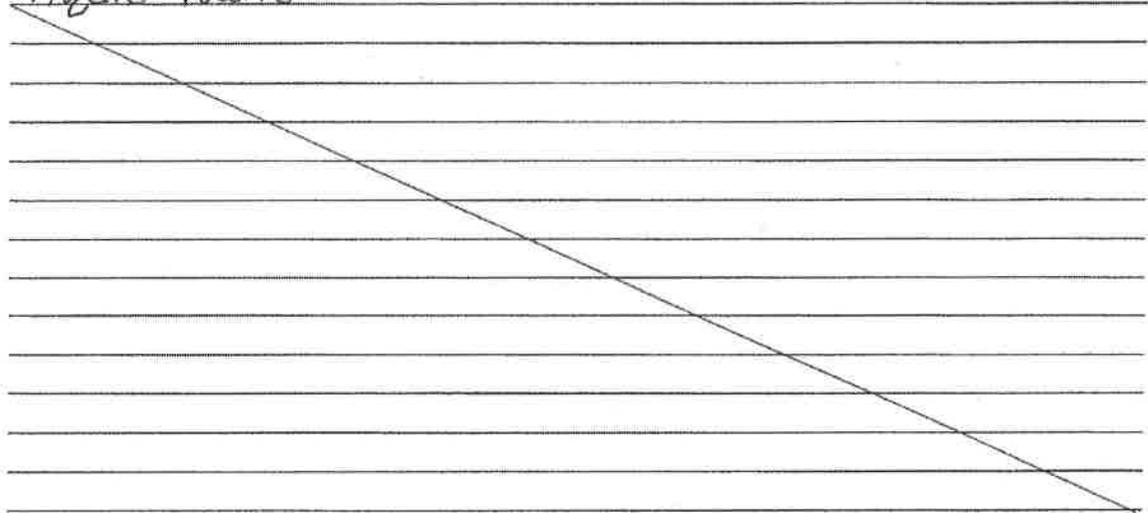
Page 3 of 3

5.[6] Parent Drum No.:

5803818

Comments:

Drilled and drained performed. No free liquid found.



9.1[1]

Performed By:

Heath Wade
Operator (Print)

Heath Wade
Signature

1287224 2-11-14
Z# Date

9.1[2]

Reviewed By:

Jon R Casper
Supervision (Print)

Jon R Casper
Signature

234252 2-11-14
Z# 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 2/11/14
Z# Date/Time

1742



CONTAINERID: 68928

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>
68928	55G	LA00000068928	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1914	NDA	Complete	2014-02-21
LA-RTR2-14-0019	RTR	Complete	2014-02-13

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68928	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>
68928	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-RTR2-14-0020
Examination Date:	2/18/2014
Waste Container ID:	68931
Video/Audio Recorded Media Number:	LA-RTR2-14-0020 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>234.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>199.9</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:	100 %

CCP Radiography Data Sheet

Waste Container ID: 68931

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Scrap metal	
AM:	
OM:	
OI:	
C: Leather gloves	
R:	
XPM: 90 mil liner lid, plastic bag	
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):	1.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	0.3
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	196.1
Soils (S):	
Total WMP Weight:	199.9

CCP Radiography Data Sheet

Waste Container ID: 68931

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>2/18/2014</u> Date	

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5810184

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 \leq 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) HJ/287220 / 2-11-14
Initials/Z# Date

5.[7] Remediation start date: 2-11-14
Parent Drum Weight (lb): 474 lb

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: 101416
Cal. Expiration Date: 1-6-15
Range in ft-lb: 40-200 inch lbs
Tolerance: $\pm 3\%$ ccw / $\pm 6\%$ ccw

UET

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: 5810184

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

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

7.[3][D][a] Lifting device fasteners torque value (≥ 12-ft-lb): N/A 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			
Liquid pH	2			

5.[63]/7.[4][F] Daughter Drum No.: LA00000068931 N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): N/A ft-lb

5.[70][C] Secondary daughter drum No.: N/A

5.[71] Liquid pH: 8

5.[74] Total amount of liquid found: 1 gal

5.[75] Amount of absorbent used: 1 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
HW/2872201 2-11-14
 Initials/Z# Date

CS

5.[84] (*) 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

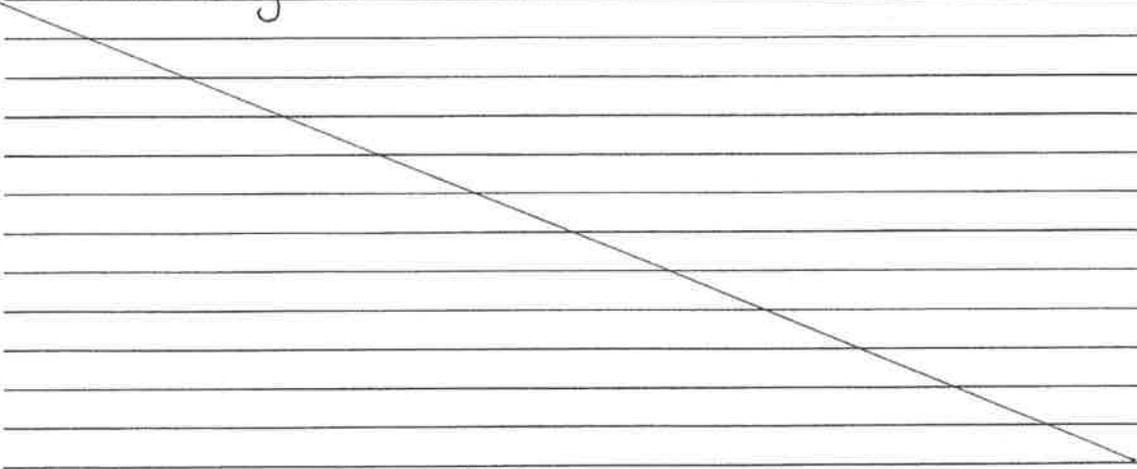
5.[6]

Parent Drum No.:

5810184

Comments:

Drilled and drain performed on liner. Removed free liquid. Drilled hole in liner near bottom of drum. Total of 1 1/8 gallon removed.



9.1[1]

Performed By:

Heath Wade
Operator (Print)

Heath Wade
Signature

1287208 2-11-14
Z # Date

9.1[2]

Reviewed By:

Jon R. Casser
Supervision (Print)

Jon R. Casser
Signature

234252 12-11-14
Z # 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 12/11/14 1744
Z # Date/Time



CONTAINERID: 68931

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>
68931	55G	LA00000068931	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1912	NDA	Complete	2014-02-19
LA-RTR2-14-0020	RTR	Complete	2014-02-18

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68931	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>
68931	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-RTR2-14-0023
Examination Date:	2/24/2014
Waste Container ID:	68939
Video/Audio Recorded Media Number:	LA-RTR2-14-0023 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:	100 %

CCP Radiography Data Sheet

CCP-TP-053 Attachment 2 (continued)

Page 2 of 3

Waste Container ID: 68939

Section 3: Container Inventory and Comments

(Detailed descriptions)

IM: Metal hardware, scrap metal, utility knives

AM:

OM:

OI:

C:

R:

XPM: Plastic sheeting, 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):	2.0
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):	136.4
Soils (S):	
Total WMP Weight:	141.4

CCP Radiography Data Sheet

Waste Container ID: 68939

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:

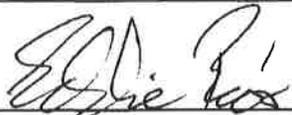
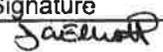
SME/OJT Aaron Elliott monitoring operator Eddie Rios at the controls to evaluate proficiency and provide training/mentoring as required.

RTR Operator:

Eddie Rios

Print Name

AARON ELLIOTT


 Signature


2/24/2014

Date

2/24/14

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5831784

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 ≤ 325 FGE (Section 6 only) SAT UNSAT N/A

5.[2] (\$ STATIONARY FIRE WATCH established. (SAC 5.7.17) PG 183693 12/16/14
Initials/Z# Date

5.[7] Remediation start date: 2/16/14
Parent Drum Weight (lb): 450.9 lb

5.[8] RCRA designation (EPA Codes): DC07, DC08, DC09, F001

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

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: 101416
Cal. Expiration Date: 1/6/15
Range in ft-lb: 40-200 in. lbs
Tolerance: ±3% cw, ±6% ccw

UET

ATTACHMENT 1
 Page 2 of 3

5.[6] Parent Drum No.: 5831784

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

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

7.[3][D][a] Lifting device fasteners torque value (≥ 12-ft-lb): N/A 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	2 oz			
Liquid pH	11			

5.[63]/7.[4][F] Daughter Drum No.: LA 00000068939 N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): N/A ft-lb

5.[70][C] Secondary daughter drum No.: N/A

5.[71] Liquid pH: N/A

5.[74] Total amount of liquid found: 2 oz gal ¹²/_{2.16}

5.[75] Amount of absorbent used: 1 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
 Initials/Z# PQ 183693 Date 12/16/14

CS

5.[84] (*) 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.: 5831784

Comments: RIGID LINER INVERTED TO REMOVE PI'S - NO FREE LIQUID WITHIN WASTE. 2 PLASTIC ONE GAL CONTAINERS REMOVED, 1 CONTAINER EMPTY, SECONDED CONTAINER APPROX 2 OZ OF LIQUID INSIDE, LIQUID REMOVED PH OF 11 - NEUTRALIZED AND ABSORBED. METAL BANDS PLACED IN/OUT OF CONTAINERS FOR RTR - HOLE DRILLED IN RIGID LINER NEAR BOTTOM OF DRUM - LINER WILL NOT HOLD LIQUID. ALL WASTE REMOVED FROM RIGID LINER PLACED BACK INTO THE RIGID LINER. DAUGHTER CONTAINER LA00000068939.

9.1[1] Performed By: Philip Quintana Philip Quintana 185693 12/16/14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R. Crosser Jon R. Crosser 239252 12-16-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: W. Scott V. Ward W. Scott V. Ward 1224438 2-17-14
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68939

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>
68939	55G	LA00000068939	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 88 (LA-MIN03-NC.001 -Lot 88)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1916	NDA	Complete	2014-02-25
LA-RTR2-14-0023	RTR	Complete	2014-02-24

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68939	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>
68939	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:	S814238
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>189.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>155.4</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:	80 %

CCP Radiography Data Sheet

Waste Container ID: S814238

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	
R:	
XPM: 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):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	154.4
Soils (S):	
Total WMP Weight:	155.4

CCP Radiography Data Sheet

Waste Container ID: S814238

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

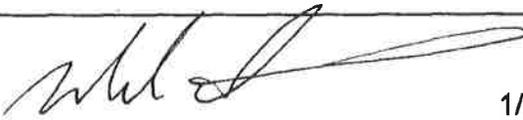
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags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

UET

ATTACHMENT 1
Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

- 5.[6] Parent Drum No.: 5814238
- 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/287220 / 12-20-13
Initials/Z# Date
- 5.[7] Remediation start date: 12-20-13
- 5.[8] RCRA designation (EPA Codes): D007, D008, D009, F001
- 5.[21] Rigid liner condition (e.g., warped, cracked, or breaks): NONE
- 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% 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.: 5814238

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

5.[62] Lifting device fasteners torque value (≥ 12-ft-lb): N/A ^{12-20-13 HW} 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: N/A gal

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

UET

ATTACHMENT 1

Page 3 of 3

5.[6]

Parent Drum No.:

5814238

Comments:

NONE ^{9L} 12-20-13

REMAINED RIGID LINER - DRILLED 1 HOLE AT BOTTOM OF LINER -

NO LIQUID - PLACED RIGID LINER BACK IN CONTAINER. JUNK POUND 12-20-13

RIGID LINER PLACED BACK INTO #814238 JUNK POUND 12-20-13

~~_____

_____~~

9.1[1]

Performed By:

Heath Wade
Operator (Print)

Heath Wade
Signature

1287228 12-20-13
Z# Date

9.1[2]

Reviewed By:

Jon R. Cross
Supervision (Print)

Jon R. Cross
Signature

284252 11-20-13
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

1151358 1-24-14/1344
Z# Date/Time



CONTAINERID: S814238

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>
S814238	55G	LA5814238	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- 88 (LA-MIN03-NC.001 -Lot 88)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA0478	NDA	Complete	2006-08-11
2LANDA1256	NDA	Complete	2014-01-24
ECL06433C	HSG	Complete	2006-11-01
ECL06433G	HSG	Complete	2006-11-01
ECL06433M	HSG	Complete	2006-11-01
LA-RTR2-06-0226	RTR	Complete	2006-08-08
LA-RTR2-06-0240	RTR	Complete	2006-08-19
LA-RTR2-14-0008	RTR	Complete	2014-01-21
LAHSGS060145	HSG	Complete	2006-10-13

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
S814238	NCR-LANL0902070	Superseded	None
S814238	NCR-LANL0902071	Superseded	None



S814238	NCR-LANL09020710	Superseded	None
S814238	NCR-LANL09020711	Superseded	None
S814238	NCR-LANL09020712	Superseded	None
S814238	NCR-LANL09020713	Superseded	None
S814238	NCR-LANL09020714	Superseded	None
S814238	NCR-LANL09020715	Open	Resolved
S814238	NCR-LANL0902072	Superseded	None
S814238	NCR-LANL0902073	Superseded	None
S814238	NCR-LANL0902074	Superseded	None
S814238	NCR-LANL0902075	Superseded	None
S814238	NCR-LANL0902076	Superseded	None
S814238	NCR-LANL0902077	Superseded	None
S814238	NCR-LANL0902078	Superseded	None
S814238	NCR-LANL0902079	Superseded	None
S814238	NCR-LANL1610060	Superseded	None
S814238	NCR-LANL1610061	Superseded	None
S814238	NCR-LANL1610062	Closed	Resolved

REJECT DATA

Container ID BDRID NCRID NCR Status Release Code Actual Condition



S814238

LA-RTR2-06-0240

NCR-LANL09020713

Superseded

None

A review of NDE audio/video media has revealed containers that contain non-residual liquids. This condition is prohibited by the WIPP Waste Acceptance Criteria. As reviews of NDE audio/video media continue, additional containers identified with this condition shall be added to the PTS Data Center, administratively tagged and segregated IAW CCP-QP-005. Additions of containers added to this NCR will not require a revision. This NCR is being revised to remove Attachment 1 from this NCR. Affected containers are listed in PTS per this NCR. Additionally, drum S855303 was entered in error, and will be removed from this NCR in PTS Revision 2, 3, 4, 5 and 6. See hard copy. Reason for Revision 7: Delete drums 5680 and S850287 as these drums have been determined as Low Level Waste (LLW) and have been moved to the LLW tab on AK and returned to LANL. Reason for Revision 8: Delete drum S816662 as this drum has been determined to be Low Level Waste (LLW) and has been moved to the LLW tab on AK and returned to LANL. Reason for Revision 9: Delete drum S813677 as this drum has been determined to be Low Level Waste (LLW) and has been moved to the LLW tab on AK and returned to LANL. Revision 10: Delete drums S811813, S842242, and S870014 as these drums have been determined to be Low Level Waste (LLW) and have been moved to the LLW tab on AK and returned to LANL. Reason for Revision 11: Delete drums S861843, S834111, and S850101 as these drums have been determined to be Low Level Waste (LLW) and have been moved to the LLW tab on AK and returned to LANL. Removed drums listed on Attachment 2 as they have been completed. Reason for Revision 12: Delete drums that have been completed or repackaged at WCRRF as shown in Attachment 3. Revise Block 3 to show affected Reason for Revision 13: Attachment 4 Added to correct correlation of drum numbers and BDRs affected by this NCR. Remove completed drums as listed in Attachment 3. Reason for Revision 14: Delete drums that have been re-characterized or repackaged as shown in Attachment 3. Attachment 1 has been updated.

S814238

LA-RTR2-06-0240

NCR-LANL09020714

Superseded

None

A review of NDE audio/video media has revealed containers that contain non-residual liquids. This condition is prohibited by the WIPP Waste Acceptance Criteria. As reviews of NDE audio/video media continue, additional containers identified with this condition shall be added to the PTS Data Center, administratively tagged and segregated IAW CCP-QP-005. Additions of containers added to this NCR will not require a revision. This NCR is being revised to remove Attachment 1 from this NCR. Affected containers are listed in PTS per this NCR. Additionally, drum S855303 was entered in error, and will be removed from this NCR in PTS Revision 2, 3, 4, 5 and 6. See hard copy. Reason for Revision 7: Delete drums 5680 and S850287 as these drums have been determined as Low Level Waste (LLW) and have been moved to the LLW tab on AK and returned to LANL. Reason for Revision 8: Delete drum S816662 as this drum has been determined to be Low Level Waste (LLW) and has been moved to the LLW tab on AK and returned to LANL. Reason for Revision 9: Delete drum S813677 as this drum has been determined to be Low Level Waste (LLW) and has been moved to the LLW tab on AK and returned to LANL. Revision 10: Delete drums S811813, S842242, and S870014 as these drums have been determined to be Low Level Waste (LLW) and have been moved to the LLW tab on AK and returned to LANL. Reason for Revision 11: Delete drums S861843, S834111, and S850101 as these drums have been determined to be Low Level Waste (LLW) and have been moved to the LLW tab on AK and returned to LANL. Removed drums listed on Attachment 2 as they have been completed. Reason for Revision 12: Delete drums that have been completed or repackaged at WCRRF as shown in Attachment 3. Revise Block 3 to show affected Reason for Revision 13: Attachment 4 Added to correct correlation of drum numbers and BDRs affected by this NCR. Remove completed drums as listed in Attachment 3. Reason for Revision 14: Delete drums that have been re-characterized or repackaged as shown in Attachment 3. Attachment 1 has been updated.



S814238

LA-RTR2-06-0240 NCR-LANL09020715 Open

Resolved

Friday, March 07, 2014

A review of NDE audio/video media has revealed containers that contain non-residual liquids. This condition is prohibited by the WIPP Waste Acceptance Criteria. As reviews of NDE audio/video media continue, additional containers identified with this condition shall be added to the PTS Data Center, administratively tagged and segregated IAW CCP-QP-005. Additions of containers added to this NCR will not require a revision. This NCR is being revised to remove Attachment 1 from this NCR. Affected containers are listed in PTS per this NCR. Additionally, drum S855303 was entered in error, and will be removed from this NCR in PTS. Revision 2, 3, 4, 5 and 6: See hard copy. Reason for Revision 7: Delete drums 55680 and S850287 as these drums have been determined as Low Level Waste (LLW) and have been moved to the LLW tab on AK and returned to LANL. Reason for Revision 8: Delete drum S816662 as this drum has been determined to be Low Level Waste (LLW) and has been moved to the LLW tab on AK and returned to LANL. Reason for Revision 9: Delete drum S813677 as this drum has been determined to be Low Level Waste (LLW) and has been moved to the LLW tab on AK and returned to LANL. Reason 10: Delete drums S811813, S842242, and S870014 as these drums have been determined to be Low Level Waste (LLW) and have been moved to the LLW tab on AK and returned to LANL. Reason for Revision 11: Delete drums S861843, S834111, and S850101 as these drums have been determined to be Low Level Waste (LLW) and have been moved to the LLW tab on AK and returned to LANL. Removed drums listed on Attachment 2 as they have been completed. Reason for Revision 12: Delete drums that have been completed or repackaged at WCRFP as shown in Attachment 3. Revise Block 3 to show affected Reason for Revision 13: Attachment 4 Added to correct correlation of drum numbers and BDRs affected by this NCR. Remove completed drums as listed in Attachment 3. Reason for Revision 14: Delete drums that have been re-characterized or repackaged as shown in Attachment 3. Attachment 1 has been updated. Reason for Revision 15: Delete drums that have been re-characterized or repackaged as shown in Attachment 3. Attachment 1 has been updated.

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-13-0052
Examination Date:	5/9/2013
Waste Container ID:	S850190
Video/Audio Recorded Media Number:	LA-HERTR-13-0052 A&B
Procedure and Revision No.:	CCP-TP-053 Rev. 12
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>161.9</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>127.8</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:	75 %

CCP Radiography Data Sheet

Waste Container ID: S850190

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Metal banding, scrap metal	
AM:	
OM:	
OI:	
C:	
R:	
XPM: Plastic bags, 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 with no lid	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):	4.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	123.3
Soils (S):	
Total WMP Weight:	127.8

CCP Radiography Data Sheet

Waste Container ID: S850190

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:

Eric Lyles		5/9/2013
Print Name	Signature	Date

Reference

Attachment 2

Page 1 of 2

Prohibited Item Dispositioning (PID) of TRU Waste

Prohibited Item Dispositioning (PID) of TRU Waste

Operation Date <u>6-14-09</u>	For NCR or PWR No. <u>LAVL-0668-09</u>
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Waste Container Information

Use NA if information is not applicable

Column I: Waste Container

Type of Container: <u>55 Gallon</u>
Waste Stream: <u>LA-MIN03-NC.001</u>
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Less than or equal to 0.47 PE-Ci Limit
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Questionable structural integrity
<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> NA Is the parent 85 gallon drum vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the parent 55 gallon drum vented?
Waste Container ID: <u>S850190</u>
Weight: <u>354.8</u>
RCRA designation (EPA Codes): <u>F001</u>
RCRA findings: <u>HAZARDOUS</u>
Parent drum RCRA empty? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
RIGID LINER
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner present?
<input checked="" type="checkbox"/> Plastic <input type="checkbox"/> NO If no, what type:
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is rigid liner installed without a lid?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is liner vented?
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is rigid liner lid removed and disposed of?
Rigid Liner Integrity: <u>SAT</u>
Comments: <u>Liner lid vented per H-Gas Liner lid cut into 2 pcs and placed on waste.</u>
BREACHING LAYERS OF CONFINEMENT
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are there any Bags present? If so, many layers of confinement? <u>0</u>
<input type="checkbox"/> YES <input type="checkbox"/> NO Have all bags been breached? <u>N/A</u>
Comments: <u>1 bag already open</u>

IPC-1

**Prohibited Item Dispositioning
In Dome 231 PermaCon**

Document No.: EP-DOP-2108

Revision: 2

Effective Date: 1/05/09

Page: 49 of 53

Reference

Attachment 2

Page 2 of 2

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

<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Are liquids present? Disposition of liquids: Comments: N/A</p>	<p>LIQUIDS 1 Gallon of LIQUIDS 5 Cup of Absorbent</p>
FILTER	
<p>Filter number: CS-280 Filter model: NUC FIL 019DS Filter date of manufacture: 3/09 Torque wrench file #: 19256 190E 6-12-09 Torque calibration expiration date: 6-12-09 Torque value: 100 in/lbs</p> <p style="text-align: center;">Filter Verification</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter loose? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Is the filter sitting below the ring? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is the filter hitting the waste? Comments: N/A</p>	
<p>Closure Date and Time: 6-14-09 1006</p>	
<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO To the best of our knowledge this container is WIPP compliant.</p>	

5850190

	Printed Name	Signature	Date
Operator	Donald Esquivel	<i>Donald Esquivel</i>	6-14-09
Operator Lead	Roberto Baca	<i>Roberto Baca</i>	6/14/09
Shift Operations Supervisor	Char Sanchez	<i>Char Sanchez</i>	6/14/09



CONTAINERID: S850190

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>
S850190	55G	LAS850190	NO WDS STATUS	NO		LA-MIN03-NC.001- 88 (LA-MIN03-NC.001 -Lot 88)	
					LA-MIN03-NC.001		

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA1158	NDA	Complete	2013-05-14
4LANDA0054	NDA	Complete	2014-02-18
LA-HERTR-13- 0052	RTR	Complete	2013-05-09
LA-RTR2-09- 0055	RTR	Complete	2009-06-10

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
S850190	NCR-LANL0052130	Superseded	None
S850190	NCR-LANL0052131	Closed	Resolved
S850190	NCR-LANL0658090	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>
S850190	2LANDA1158	NCR-LANL0052130	Superseded	None	Assay is indeterminate. Cannot verify that container meets WIPP TRU waste criteria.Reason for Revision 1: change final disposition
S850190	2LANDA1158	NCR-LANL0052131	Closed	Resolved	Assay is indeterminate. Cannot verify that container meets WIPP TRU waste criteria.Reason for Revision 1: change final disposition



S850190

LA-RTR2-09-0055 NCR-LANL0658090 Closed

Resolved

Liner not vented

Friday, March 07, 2014