



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



APR - 7 2014

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 89)

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 17 containers (Lot 89) from waste stream LA-MIN03-NC.001. Each container listed has its Real-Time Radiography (RTR) Batch Data Report, Nonconformance Report (NCR) 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 NCRs. The PID does identify that the daughter containers have been remediated for liquids.

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

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

Sincerely,


Jose R. Franco, Manager
Carlsbad Field Office


Robert L. McQuinn, Project Manager
Nuclear Waste Partnership LLC

Enclosure

CBFO:NTP:JRS:PG:14-1877:UFC 5486.00



Mr. John E. Kieling

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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 89 Containers		
#	Container ID	RTR BDR
1.	68704	LA-RTR2-14-0022
2.	68778	LA-HERTR-14-0015
3.	68799	LA-RTR2-14-0017
4.	68859	LA-RTR2-14-0006
5.	68908	LA-RTR2-14-0017
6.	68909	LA-RTR2-14-0017
7.	68911	LA-HERTR-14-0017
8.	68913	LA-RTR2-14-0017
9.	68914	LA-HERTR-14-0017
10.	68919	LA-HERTR-14-0020
11.	68921	LA-HERTR-14-0020
12.	68929	LA-HERTR-14-0024
13.	68930	LA-RTR2-14-0020
14.	68933	LA-HERTR-14-0027
15.	68936	LA-RTR2-14-0022
16.	68937	LA-RTR2-14-0022
17.	S820345	LA-RTR2-14-0008

CCP Radiography Data Sheet

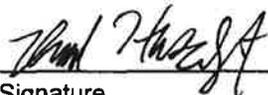
Waste Container ID: 68704

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	
R: Rubber gloves	
XPM: Plastic container, 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 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):	0.5
Plastics (waste materials) (XPM):	5.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	144.4
Soils (S):	
Total WMP Weight:	149.9

CCP Radiography Data Sheet

Waste Container ID: 68704

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>Thad Hasselstrom</u> Print Name	 Signature	<u>2/21/2014</u> Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

- 5.[6] Parent Drum No.: 5817332

- 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) PO 183693 11/4/14
Initials/Z# Date

- 5.[7] Remediation start date: 1/4/14

- 5.[8] RCRA designation (EPA Codes): DO07A, DO08A, DO09B, FO01H

- 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: 08/05/14
 - Range in ft-lb: 10-80
 - Tolerance: ±3% cw, ±6% ccw

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

UET

ATTACHMENT 1

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5.[6] Parent Drum No.: 817332

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

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

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

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

Liquid Volume/Unit	1 QUART	N/A	N/A	N/A
Liquid pH	8	N/A	N/A	N/A

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

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

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

5.[69] Liquid pH: N/A

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

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

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

N/A / N/A
 Initials/Z# Date

CS

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

SAT UNSAT N/A

UET

ATTACHMENT 1

Page 3 of 3

5.[6] Parent Drum No.: \$ 817332

Comments: DAUGHTER DRUM # LA 00000068704 -
INVERTED LINER FROM PARENT DRUM \$ 817332 TO REMOVE PI FROM
BOTTOM OF LINER - PI CONTAINED ABOUT 1 QUART OF LIQUID - PH OF 8
LIQUID WAS ABSORBED - DRILL & DRAINED WAS ALSO PERFORMED ON
THIS LINER. NO FREE LIQUID REMOVED. HOLE DRILLED IN LINER NEAR BOTTOM
OF DRUM -

9.1[1] Performed By: Philip Quintana Philip Quintana 1183693 11/5/14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Sari L. Casade Sari L. Casade 234252 11-5-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Dennis Ciocchetti Dennis Ciocchetti 182605 11/13/14 1036
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68704

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>
68704	55G	LA00000068704	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1922	NDA	Complete	2014-03-05
LA-RTR2-14-0022	RTR	Complete	2014-02-21

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68704	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68704	NO DATA			

CCP Radiography Data Sheet

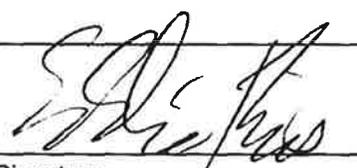
Waste Container ID: 68778

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Scrap metal	
AM:	
OM: Scrap lead	
OI:	
C:	
R:	
XPM: Plastic containers, 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 90 mil Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	2.0
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	132.4
Soils (S):	
Total WMP Weight:	137.4

CCP Radiography Data Sheet

Waste Container ID: 68778

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>Eddie Rios</u> Print Name	 Signature	<u>2/4/2014</u> Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5822078

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

CS

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

IPC-2

5.[3] (\$) STATIONARY FIRE WATCH established. (SAC 5.7.17) HW/287201 1-27-14
Initials/Z# Date

5.[7] Remediation start date: 1-27-14

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: ± 3% cw / ± 6% ccw

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

UET

ATTACHMENT 1
 Page 2 of 3

5.[6] Parent Drum No.: \$ 822078

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 Qts	1 Cup	2 Cups	
Liquid pH	8	8	8	

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: 2 1/2 Quarts gal

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

5.[79] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A Jc 1-27-14
 Jc 1-27-14 / 1-27-14
 Initials/Z# Date

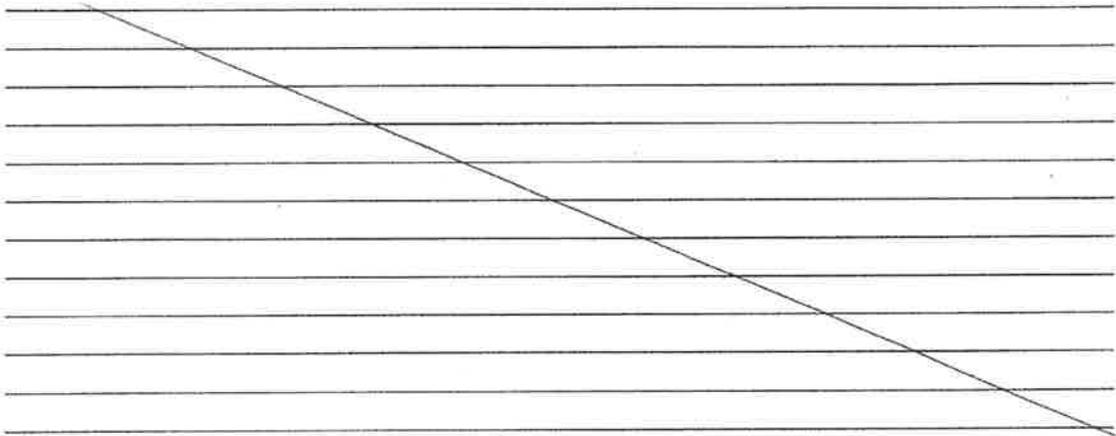
CS 5.[81] (*) TRU WASTE CONTAINER batch and associated absorbed liquid removed from the SSSR process area: (NCS-CSLA-11-043 and NCS-CSLA-13-049)
 SAT UNSAT

ATTACHMENT 1

Page 3 of 3

5.[6] Parent Drum No.: 5822078

Comments: Daughter # LA00000068778 - Drill and drained
performed on liner. No free liquid found. Hole drilled in
liner near bottom of drum. Total of 2 1/8 quarts absorbed.



9.1[1] Performed By: Heath Wade Heath Wade 287220 11-27-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R. Cassin Jon R. Cassin 234652 11-27-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Pat O'Grady Pat O'Grady 11573581 11-27-14/1720
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68778
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>
68778	55G	LA00000068778	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1922	NDA	Complete	2014-03-05
LA-HERTR-14- RTR 0015		Complete	2014-02-04

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68778	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68778	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-RTR2-14-0017
Examination Date:	2/7/2014
Waste Container ID:	68799
Video/Audio Recorded Media Number:	LA-RTR2-14-0017 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>178.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>143.9</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: 68799

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Aerosol cans punctured, scrap metal	
AM:	
OM:	
OI:	
C: Leather gloves	
R:	
XPM: Liner bottom, 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):	0.5
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	1.0
Rubber (R):	
Plastics (waste materials) (XPM):	1.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	140.9
Soils (S):	
Total WMP Weight:	143.9

CCP Radiography Data Sheet

Waste Container ID: 68799

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		2/7/2014
Print Name	Signature	Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5810062

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/287226 ¹⁻³⁰⁻¹⁴ 1-31-14 _{pc}
Initials/Z# Date

5.[7] Remediation start date: 1-30-14
Parent Drum Weight (lb): 461.5 lb

5.[8] RCRA designation (EPA Codes): D003, 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
Tolerance: $\pm 3\%$ cw / $\pm 6\%$ ccw

UET

ATTACHMENT 1
 Page 2 of 3

5.[6] Parent Drum No.: 5810062

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				
Liquid pH				

5.[63]/7.[4][F] Daughter Drum No.: N/A N/A
1-31-14 HW LA000000 68799 82 1-31-14

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: N/A gal

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

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
1-31-14 HW 1-31-14 HW
 Initials/Z# 1-31-14 HW Date 1-31-14 HW

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]

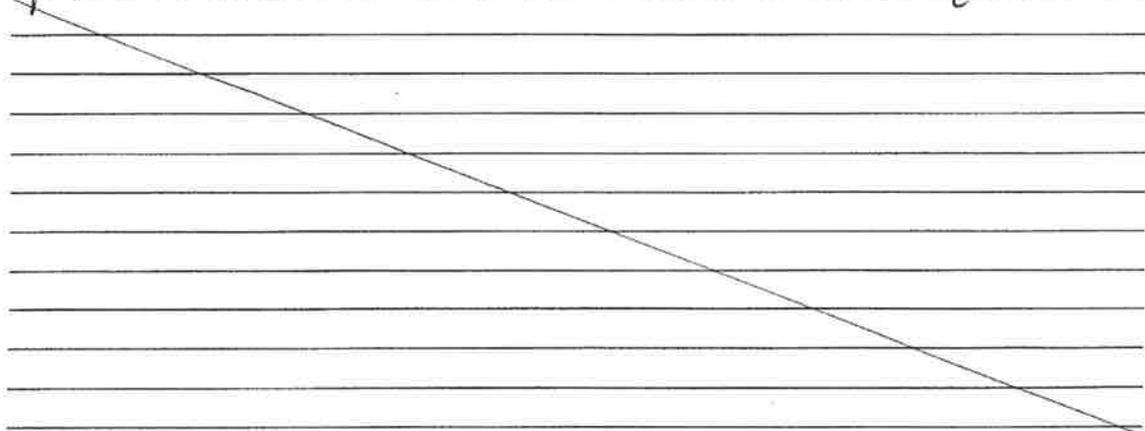
Parent Drum No.:

5810062

LW00000068799

Comments:

Daughter # ~~LW68779~~⁹² previously drilled and drain.
No free liquids found. Hole drilled in liner near bottom of
drum. 2 aerosol cans found, both were breached. metal banding
placed in both for RTR. Liner unable to retain liquid.



9.1[1]

Performed By:

Heath Wade
Operator (Print)

Heath Wade
Signature

1287220/1-31-14
Z# Date

9.1[2]

Reviewed By:

Jon R. Cassel
Supervision (Print)

Jon R. Cassel
Signature

1234252/1-31-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES

NO

9.1[3][E]

Approved By:

Robert V. Hardin
SOM or designee (print)

Robert V. Hardin
Signature

122493/1-31-14
Z# Date/Time

1802



CONTAINERID: 68799
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>
68799	55G	LA0000068799	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

L.A-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1907	NDA	Complete	2014-02-10
LA-RTR2-14-0017	RTR	Complete	2014-02-07

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68799	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68799	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-RTR2-14-0006
Examination Date:	1/16/2014
Waste Container ID:	68859
Video/Audio Recorded Media Number:	LA-RTR2-14-0006 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>33.0</u> kg Tare Wt.: <u>27.7</u> kg Net Wt.: <u>5.3</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:	10 %

CCP Radiography Data Sheet

Waste Container ID: 68859

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):	0.0
Other:	0.0
Total Packaging Weight	27.7
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.5
Organic Matrix (OR):	
Inorganic Matrix (IN):	4.8
Soils (S):	
Total WMP Weight:	5.3

CCP Radiography Data Sheet

Waste Container ID: 68859

Section 5: RTR Summary		
(Questions answered "Yes" will be explained in the Comment block, except for Question 1)		
Is there observable liquid?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of wastes incompatible with backfill, seal and panel closures materials, container and packaging materials, shipping container materials, or other wastes (i.e., waste does NOT match TRUCON Code(s))?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of wastes containing explosives or compressed gases?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of PCBs liquids?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA Hazardous Waste Numbers of D001, D002, or D003)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
CH or RH TRAMPAC		
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Are there sealed containers GREATER than 4 liters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Are there indications of inadequate protection for heavy and/or sharp objects?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Comments: N/A		
RTR Operator:		
<u>Michael Simmons</u> Print Name	 Signature	<u>1/16/2014</u> Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

- 5.[6] Parent Drum No.: 5822080
- 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) 282541 1/6/14
Initials/Z# Date
- 5.[7] Remediation start date: 1/6/14
- 5.[8] RCRA designation (EPA Codes): 2007, 2008, 2009, F001
- 5.[21] Rigid liner condition (e.g., warped, cracked, or breaks): IN GOOD CONDITION
- 5.[22] Rigid liner can be rigged: YES NO
- 5.[24][F] Liquid (top of drum) pH: 7
- 5.[25] Rigid liner contains an internal poly-liner: YES NO
- 5.[29] Torque wrench information:
 MT&E No: 021151
 Cal. Expiration Date: 8/5/14
 Range in ft-lb: 10-80
 Tolerance: +/-3% ew +/-6% ecw
- 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.: 5822080

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	2 LITER	1 LITER	N/A	N/A
Liquid pH	11	11	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 / 1 N/A
Initials/Z# Date

CS

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

UET

ATTACHMENT 1

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5.[6]

Parent Drum No.:

S822090

Comments: LINER LID REMOVED AND CUT IN HALF. DRILLED
AND DRAINED LIQUID FROM BOTTOM OF LINER. LINER WAS
INVERTED. LIQUID IN FIRST CONTAINER PH OF 11. SECOND
CONTAINER PH OF 11 AND TOTAL 3 LITERS OF LIQUID.
LIQUID FROM VAC PUT INTO SECOND DAUGHTER LA0000068559
DRILLED HOLE IN BOTTOM OF LINER AND CAN NOT RETAIN
LIQUID. DAUGHTER LA0000068558 WAS USED FOR RIGID
LINER. DAUGHTER LA0000068559 WAS USED FOR EXTRA
TRU-WASTE. LIQUID FROM LINER WAS PH 7 THERE
WAS 0.25 GAL AND 0.20 LBS.

9.1[1]

Performed By:

Joshua Fox
Operator (Print)

[Signature]
Signature

12575411 1/6/14
Z# Date

9.1[2]

Reviewed By:

John R. Casser
Supervision (Print)

[Signature]
Signature

204252 11-6-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES

NO

9.1[3][E]

Approved By:

Dennis Giacchetti
SOM or designee (print)

[Signature]
Signature

1868081 1/14/14 1146
Z# Date/Time



CONTAINERID: 68859
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>
68859	55G	LA00000068859	NO WDS STATUS	NO			
					L A-MIN03-NC.001		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1892	NDA	Complete	2014-01-17
1LANDA1909	NDA	Complete	2014-02-12
LA-RTR2-14-0006	RTR	Complete	2014-01-16

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68859	NCR-LANL0132140	Superseded	None
68859	NCR-LANL0132141	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>
68859	1LANDA1892	NCR-LANL0132140	Superseded	None	No TRU nuclides identified greater than LLDReason for Revision 1: Change final disposition.
68859	1LANDA1892	NCR-LANL0132141	Closed	Resolved	No TRU nuclides identified greater than LLDReason for Revision 1: Change final disposition.

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-RTR2-14-0017
Examination Date:	2/7/2014
Waste Container ID:	68908
Video/Audio Recorded Media Number:	LA-RTR2-14-0017 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>202.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>168.4</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

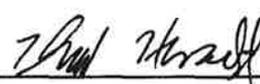
Waste Container ID: 68908

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): 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):	166.4
Soils (S):	
Total WMP Weight:	168.4

CCP Radiography Data Sheet

Waste Container ID: 68908

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>Thad Hasselstrom</u> Print Name	 Signature	<u>2/7/2014</u> Date

ATTACHMENT 1

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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: LA00000268702

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/267213 102-3-14
Initials/Z# Date

5.[7] Remediation start date: 02-3-14
Parent Drum Weight (lb): 445 lb

5.[8] RCRA designation (EPA Codes): D007, D008, D009, F001h

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: NA

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

5.[29] Torque wrench information:
MT&E No: 101416
Cal. Expiration Date: 1-16-15
Range in ft-lb: 40-200
Tolerance: ± 3% CW ± 1% CCW

UET

ATTACHMENT 1

Page 2 of 3

- 5.[6] Parent Drum No.: LA00000 68702
- 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 | NA | NA | NA | NA |
| Liquid pH | NA | NA | NA | NA |
- 5.[63]/7.[4][F] Daughter Drum No.: LA00000 68908 N/A
- 5.[64] Lifting device fasteners torque value (\geq 12-ft-lb): ^{RP 2-3-14} NA 12 ft-lb
- 5.[70][C] Secondary daughter drum No.: There is No Secondary daughter drum.
- 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
^{RP/2014/5} 12-3-14
 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

CS

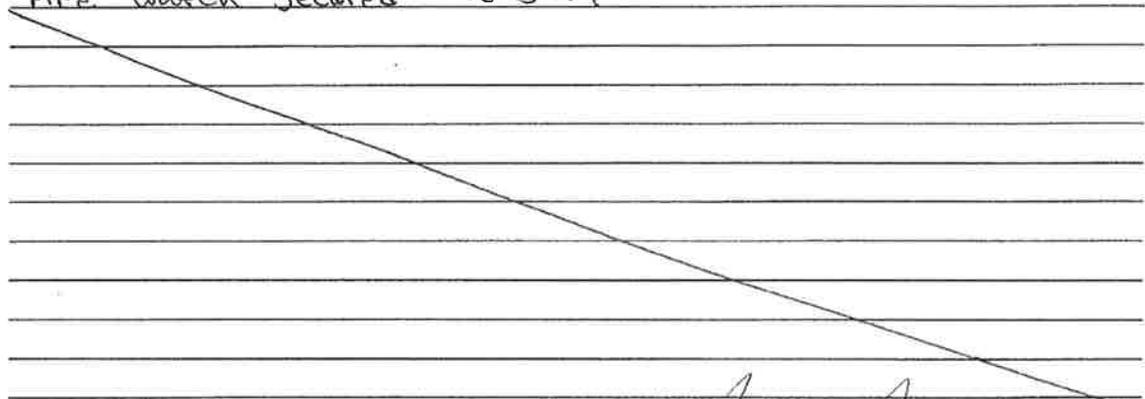
UET

ATTACHMENT 1

Page 3 of 3

5.[6] Parent Drum No.: LA000000 68702

Comments: All 12 holes were drilled in rigid liner, Also
Removed liquid between the liner and the drum, This
drum can no longer hold liquid.
There were no PED's in this drum.
Fire watch secured 2-3-14



9.1[1] Performed By: Kristofer E. Peltz [Signature] 254723 12-3-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Joe Wise [Signature] 254390 12-7-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Robert V. Hardin [Signature] 122493 2-4-14
SOM or designee (print) Signature Z# Date/Time
1228



CONTAINERID: 68908

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>
68908	55G	LA00000068908	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1911	NDA	Complete	2014-02-14
LA-RTR2-14-0017	RTR	Complete	2014-02-07

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68908	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>
68908	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-RTR2-14-0017
Examination Date:	2/7/2014
Waste Container ID:	68909
Video/Audio Recorded Media Number:	LA-RTR2-14-0017 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>183.0</u> kg Tare Wt.: <u>35.1</u> kg Net Wt.: <u>147.9</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input type="checkbox"/> No <input checked="" 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 type="checkbox"/> No <input checked="" 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: 68909

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 with Lid	7.4
Other:	0.0
Total Packaging Weight	35.1
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):	147.9
Soils (S):	
Total WMP Weight:	147.9

CCP Radiography Data Sheet

Waste Container ID: 68909

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

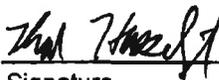
Are there heat-sealed bags (unvented) GREATER than 4 liters and LESS than 390 square inches in the waste, or heat sealed bags not authorized in the RH TRUCON Code?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Were there Non-approved Closure Methods used on liner bags or inner bags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

RTR Operator:

Thad Hasselstrom

Print Name



Signature

2/7/2014

Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: S831874

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) H 287212 12-1-14
Initials/Z# Date

5.[7] Remediation start date: 2-1-14
Parent Drum Weight (lb): 447.5 lb

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

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

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

Page 2 of 3

5.[6] Parent Drum No.: 5831874

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	N/A	N/A	N/A	N/A
Liquid pH	N/A	N/A	N/A	N/A

5.[63]/7.[4][F] Daughter Drum No.: ²⁻¹⁻¹⁴ N/A LA00000068909 N/A

5.[64] Lifting device fasteners torque value (≥ 12-ft-lb): ²⁻¹⁻¹⁴ +2 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

1/28/12 12-1-14
 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.: 3831874

Comments: 4 Holes drilled in liner at very bottom of drum. 4 Holes drilled five inches from bottom & 4 holes drilled 10 inches from bottom for a total of 12 holes. A total of 1/2 Gallon of liquid retained from drill and drain.

No more entries

9.1[1] Performed By: LENNY LeRouge [Signature] 1287221 2-1-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R. Cassat [Signature] 234252 12-1-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Dennis Cicchetti [Signature] 18168081 2/1/14 1:26
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68909

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>
68909	55G	LA00000068909	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

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-RTR2-14-0017	RTR	Complete	2014-02-07

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68909	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68909	NO DATA			

CCP Radiography Data Sheet

Waste Container ID: 68911

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Scrap metal	
AM:	
OM:	
OI:	
C:	
R:	
XPM: 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): 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):	0.2
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	0.4
Organic Matrix (OR):	
Inorganic Matrix (IN):	160.3
Soils (S):	
Total WMP Weight:	160.9

CCP Radiography Data Sheet

Waste Container ID: 68911

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>Thad Hasselstrom</u> Print Name	 Signature	<u>2/6/2014</u> Date

UET

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

5.[6] Parent Drum No.: 5810486

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/287220/2-2-14
Initials/Z# Date

5.[7] Remediation start date: 2-2-14
Parent Drum Weight (lb): 475.17 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: 10416
Cal. Expiration Date: 1-6-15
Range is 10-110
Tolerance: 40-200
±3% cw / ±6% ccw

ATTACHMENT 1

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5.[6] Parent Drum No.: 5810486

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				
Liquid pH				

5.[63]/7.[4][F] Daughter Drum No.: LA000000689/1 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: 1 1/2 gal

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

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
HW/287220 12-2-14
 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

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5.[6] Parent Drum No.: S 810486

Comments: Daughter # LA00000068911 - Drilled and drained
Performed. Hole's drilled in the liner near bottom of the
Drum. NO Containerized liquid found.
The Liner is unable to retain liquid.

~~No Further Entries~~

9.1[1] Performed By: Kristofer E. Peltz [Signature] 12872151 2-2-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Joe Wise [Signature] 25139012 2-2-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Robert V. Hurd [Signature] 1221934 2-13-14
SOM or designee (print) Signature Z# Date/Time
1756



CONTAINERID: 68911
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>
68911	55G	LA00000068911	NO WDS STATUS	NO	L.A-MIN03-NC.001	LA-MIN03-NC.001- 89 (LA-MIN03-NC.001 -Lot 89)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1906	NDA	Complete	2014-02-07
LA-HERTR-14- 0017	RTR	Complete	2014-02-06

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68911	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68911	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-RTR2-14-0017
Examination Date:	2/7/2014
Waste Container ID:	68913
Video/Audio Recorded Media Number:	LA-RTR2-14-0017 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>217.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>182.9</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: 68913

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): 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):	181.9
Soils (S):	
Total WMP Weight:	182.9

CCP Radiography Data Sheet

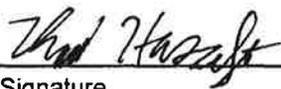
CCP-TP-053 Attachment 2 (continued)

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Waste Container ID: 68913

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>Thad Hasselstrom</u> Print Name	 Signature	<u>2/7/2014</u> Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5803965

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) PR 183693 102/02/14
Initials/Z# Date

5.[7] Remediation start date: 02/02/14
 Parent Drum Weight (lb): 458.4 lb

5.[8] RCRA designation (EPA Codes): D007, D008, D009, 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: 10146
 Cal. Expiration Date: 1/06/15
 Range in Ft-lb: 40-200
 Tolerance: $\pm 3\%$ cw, $\pm 6\%$ ccw

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: 5803965

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	N/A	N/A	N/A	N/A
Liquid pH	N/A	N/A	N/A	N/A

5.[63]/7.[4][F] Daughter Drum No.: LA00000068913 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: 7

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

PG 183693 102/02/14
 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

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5.[6] Parent Drum No.: 5803965

Comments: Holes drilled in bottom of liner near bottom of drum. Liner unable to retain liquid. 1/4 gallon liquid found and solidified. PH 7. PG

~~No further entries PG~~

9.1[1] Performed By: Philip Quintana Philip Quintana 11836931 02/02/14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Joe Wise Joe Wise 25439012 2-2-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Kathryn Anderson Kathryn Anderson 171307 2-2-14/1447
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68913

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>
68913	55G	LA00000068913	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001- 89 (LA-MIN03-NC.001 -Lot 89)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1911	NDA	Complete	2014-02-14
LA-RTR2-14- 0017	RTR	Complete	2014-02-07

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68913	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68913	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:	68914
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>200.5</u> kg
	Tare Wt.: <u>36.1</u> kg
	Net Wt.: <u>164.4</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:	^{75 H} 2-11-14 95 100 %

CCP Radiography Data Sheet

Waste Container ID: 68914

Section 3: Container Inventory and Comments

(Detailed descriptions)

IM: Aerosol can punctured

AM:

OM: Scrap lead

OI:

C: Leather gloves

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):	0.1
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	0.5
Other Inorganic Materials (OI)	
Cellulosics (C):	0.5
Rubber (R):	
Plastics (waste materials) (XPM):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	162.3
Soils (S):	
Total WMP Weight:	164.4

CCP Radiography Data Sheet

Waste Container ID: 68914

Section 5: RTR Summary

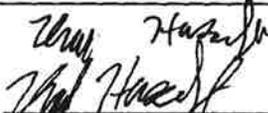
(Questions answered "Yes" will be explained in the Comment block, except for Question 1)

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 ON THE RECORDS I SAID 95%. I HAVE CORRECTED THIS ATTACHMENT 2 TO REFLECT THAT. TJS 2-11-14*

RTR Operator:		2-11-14
Thad Hasselstrom		2/6/2014
Print Name	Signature	Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

- 5.[6] Parent Drum No.: 5810150

- 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) PQ 183693 102/01/14

Initials/Z# Date

- 5.[7] Remediation start date: 02/01/14
 Parent Drum Weight (lb): 461.5 lb

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

- 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: 01/06/15
 - Range in ft-lb: 40-200
 - Tolerance: ± 3% cw, ± 6% ccw

ATTACHMENT 1

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5.[6] Parent Drum No.: 5810150

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	N/A	N/A	N/A	N/A
Liquid pH	N/A	N/A	N/A	N/A

5.[63]/7.[4][F] Daughter Drum No.: ^{PG 1/1/14} N/A LA00000068914 ^{PG 2/1/14} 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: 7

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

PG 183693 102/01/14
 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

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5.[6] Parent Drum No.: 5810150

Comments: Hole drilled in liner at bottom of drum. Liner unable to retain liquid. Breached aerosol 16 oz. can found. Placed metal banding through aerosol can to show it is breached. Daughter drum # LA00000068914. PA

No further entries PA

9.1[1] Performed By: Philip Quintana Philip Quintana 1183693 02/01/14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R Cassel Jon R Cassel 234252 12-1-14
Supervision (Print) Signature Z# Date

9.1[3][B] Acceptance criteria satisfied: YES NO bc 2/1/14

9.1[3][E] Approved By: Dennis Cicchetti Dennis Cicchetti 1816508 2/1/14 1:26
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68914
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>
68914	55G	LA0000068914	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

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-14-0017	RTR	Complete	2014-02-06

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68914	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>
68914	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:	68919
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>179.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>145.4</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: 68919

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

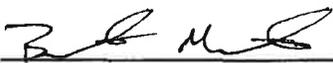
Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	6.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	137.4
Soils (S):	
Total WMP Weight:	145.4

CCP Radiography Data Sheet

Waste Container ID: 68919

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		2/12/2014
Print Name	Signature	Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5831645

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) Hg 287213 2-9-14
kw 157001 12-9-14
 Initials/Z# Date

5.[7] Remediation start date: 2-9-14
 Parent Drum Weight (lb): 445.18 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: NA

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

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5.[6] Parent Drum No.: 5831445

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	<u>.75 gal</u>	_____	_____	_____
Liquid pH	<u>6</u>	_____	_____	_____

5.[63]/7.[4][F] Daughter Drum No.: LA 000 000 68919 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: 9

5.[74] Total amount of liquid found: 3 gal

5.[75] Amount of absorbent used: 2.5 lb

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
RP 287213 2-9-14
RL 157001 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

ATTACHMENT 1

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5.[6] Parent Drum No.: 5831645

Comments: 5 Holes Drilled in rigid liner. Free liquids suctioned and absorbed. container with liquid found and remediated. All liquids absorbed. liner can no longer retain liquids. rigid liner and all contents placed into Pughler # LA00000068919.

~~no further entries~~

9.1[1] Performed By: Kristofer E. Peltz [Signature] 287215 2-9-14
Ryan Wells [Signature] 1187001 12-9-14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R. Cassel [Signature] 234252 12-9-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Pat O'Grady [Signature] 1151358 2-9-14/1754
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68919
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>
68919	55G	LA00000068919	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1922	NDA	Complete	2014-03-05
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>
68919	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>
68919	NO DATA				

CCP Radiography Data Sheet

Waste Container ID: 68921

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

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	2.0
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	5.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	148.4
Soils (S):	
Total WMP Weight:	155.4

CCP Radiography Data Sheet

Waste Container ID: 68921

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.: 5833750

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/2872201 2-10-14
Initials/Z# Date

5.[7] Remediation start date: 2-10-14
 Parent Drum Weight (lb): 451.80 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

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5.[6] Parent Drum No.: 5833750

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	1 liter	1/2 cup	1/2 cup	1/2
Liquid pH	13	7	7	7

5.[63]/7.[4][F] Daughter Drum No.: LA00000068921 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: N/A

5.[74] Total amount of liquid found: < 1/2 gal

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

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
 PA 183695 102/10/14
 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.: 5833750

Comments: Hole drilled in liner at bottom of drum. Liner unable to retain liquid. 11 liter sized bottles found. 4 contained liquid. Liquid solidified. Banding (metal) placed through bottles to show they are breached. PQ 02/10/11

~~No further entries PQ~~

9.1[1] Performed By: Philip Quintana Philip Quintana 11834931 02/10/14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jon R Casser Jon R Casser 234252 12-10-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Pat O'Grady Pat O'Grady 115135581 2-10-14/1808
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68921
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>
68921	55G	LA0000068921	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1922	NDA	Complete	2014-03-05
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>
68921	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68921	NO DATA			

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-14-0024
Examination Date:	2/21/2014
Waste Container ID:	68929
Video/Audio Recorded Media Number:	LA-HERTR-14-0024 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>210.5</u> kg Tare Wt.: <u>35.1</u> kg Net Wt.: <u>175.4</u> kg
Rigid Liner and Liner Vent Description:	Liner: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Lid: <input type="checkbox"/> No <input checked="" 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 type="checkbox"/> No <input checked="" 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 %

Waste Container ID: 68929

Section 3: Container Inventory and Comments (Detailed descriptions)	
IM:	
AM:	
OM:	
OI:	
C:	
R:	
XPM:	90 mil liner lids, 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/Lid	7.4
Other:	0.0
Total Packaging Weight	35.1
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):	173.4
Soils (S):	
Total WMP Weight:	175.4

Waste Container ID: 68929

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  2/21/2014
 Print Name Signature Date

ATTACHMENT 1

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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5800594

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) HV/287220 / 2-10-14
Initials/Z# Date

5.[7] Remediation start date: 2-10-14
 Parent Drum Weight (lb): 450.04 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: $\pm 3\%$ cw / $\pm 6\%$ ccw

UET

ATTACHMENT 1

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5.[6] Parent Drum No.: 5800594

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.: LA00000068929 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: 10

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

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

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

NW/287220 12-10-14
 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.:

5800594

Comments:

Drill and drained preformed. 1 qt of liquid removed. PH of 10. liquid neutralized

9.1[1]

Performed By:

Heath Wade
Operator (Print)

Heath Wade
Signature

12872201 2-10-14
Z# Date

9.1[2]

Reviewed By:

Jon R Casser
Supervision (Print)

Jon R Casser
Signature

224252 2-10-14
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

11573581 2-10-14/1807
Z# Date/Time



CONTAINERID: 68929
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>
68929	55G	LA00000068929	NO WDS STATUS	NO	LA-MIN03-NC.001	LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1922	NDA	Complete	2014-03-05
LA-HERTR-14-0024	RTR	Complete	2014-02-21

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68929	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>
68929	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:	68930
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>170.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>136.4</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

Waste Container ID: 68930

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	
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):	
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):	134.4
Soils (S):	
Total WMP Weight:	136.4

CCP Radiography Data Sheet

Waste Container ID: 68930

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>		<u>2/18/2014</u>
Print Name	Signature	Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

- 5.[6] Parent Drum No.: 3817045

- 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) S 287541 12/11/14
Initials/Z# Date

- 5.[7] Remediation start date: 2/12/14
 Parent Drum Weight (lb): 460-404 lb

- 5.[8] RCRA designation (EPA Codes): D007, D003, D009, F002

- 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: NA

- 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 INCL
 - Tolerance: +/- 3% CW +/- 6% CLW

UET

ATTACHMENT 1

Page 2 of 3

5.[6] Parent Drum No.: 3817045

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.: LA00000068930 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: PH 14

5.[74] Total amount of liquid found: 2.25 gal

5.[75] Amount of absorbent used: 3 lb

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

D 287541 / 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

ATTACHMENT 1

Page 3 of 3

5.[6] Parent Drum No.: 5817045

Comments: *UP 6/11/14*
 DRUM 5817045 WAS OPENED AND TOP WAS INSPECTED FOR LIQUID ON TOP. NO LIQUID WAS FOUND. LINER WAS PULLED 4 HOLES WERE DRILLED ON BOTTOM OF ~~DRUM~~ ^{LINER} AND ONE HOLE ON SIDE OF LINER. 2.25 GAL WAS SUCKED OUT OF BOTTOM. LINER WAS PLACED INTO DAUGHTER LADDER 100000068930 AND CLOSED UP. LINER (CAN'T RETAIN) LIQUID

9.1[1] Performed By: Justin Fox [Signature] 8875111012-14
 Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Joe Wise [Signature] 1543901212-14
 Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Robert Uharder [Signature] 1024438 2-13-14
 SOM or designee (print) Signature Z# Date/Time
 1757



CONTAINERID: 68930

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>
68930	55G	LA00000068930	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

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
2LANDA1269	NDA	Complete	2014-03-07
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>
68930	NCR-LANL0345140	Open	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>
68930	1LANDA1913	NCR-LANL0345140	Open	Resolved	

Assay is indeterminate. Cannot verify that container meets WIPP TRU waste criteria.

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-14-0027
Examination Date:	2/28/2014
Waste Container ID:	68933
Video/Audio Recorded Media Number:	LA-HERTR-14-0027 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>195.5</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>161.4</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: 68933

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

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	6.4
Other:	0.0
Total Packaging Weight	34.1
Waste Material Parameter:	Estimated Weight (kg)
Iron-based Metal / Alloys (IM):	
Aluminum-based Metals / Alloys (AM):	
Other Metals (OM):	
Other Inorganic Materials (OI)	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	5.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	156.4
Soils (S):	
Total WMP Weight:	161.4

CCP Radiography Data Sheet

Waste Container ID: 68933

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>2/28/2014</u> Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

- 5.[6] Parent Drum No.: 5821610

- 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) MS 119151 2-14-14

Initials/Z# Date

- 5.[7] Remediation start date: 2-14-14
 Parent Drum Weight (lb): 455.3 lb

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

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5.[6] Parent Drum No.: 5821610

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): 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
 (K) 2-14-14

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

Liquid Volume/Unit	NA	NA	NA	NA
Liquid pH	NO	NA	NA	NA

5.[63]/7.[4][F] Daughter Drum No.: LA00000068933 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: 12

5.[74] Total amount of liquid found: 1/2 gal

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

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

(K) 119125-1 2-14-14
 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.: 5821610

Comments: Holes drilled in liner at bottom of Drum
liner unable to contain liquid. Half gallon liquid found
and solidified. Half pound of absorbent added. (KS)

~~No further entries (KS)~~

9.1[1] Performed By: Kenny Sandoval [Signature] 1119175 2-14-14
Operator (Print) Signature Z# Date

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

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

9.1[3][E] Approved By: Robert V. Harde [Signature] 12497A 2-7-14
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68933

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>
68933	55G	LA00000068933	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

L.A-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1922	NDA	Complete	2014-03-05
LA-HERTR-14-0027	RTR	Complete	2014-02-28

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68933	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>
68933	NO DATA				

CCP Radiography Data Sheet

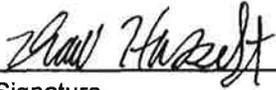
Waste Container ID: 68936

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM: Scrap metal	
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	7.4
Other:	0.0
Total Packaging Weight	35.1
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):	
Organic Matrix (OR):	
Inorganic Matrix (IN):	178.4
Soils (S):	
Total WMP Weight:	178.9

CCP Radiography Data Sheet

Waste Container ID: 68936

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: Liner lid appears to be cut in half therefore it is punctured.		
RTR Operator:		
<u>Thad Hasselstrom</u> Print Name	 Signature	<u>2/21/2014</u> Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5810397

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/187220 / 2-14-14
Initials/Z# Date

5.[7] Remediation start date: 2-14-14
Parent Drum Weight (lb): 461.5 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: 021151
Cal. Expiration Date: 8-5-14
Range in ft-lb: 10-80
Tolerance: $\pm 3\%$ cw / $\pm 6\%$ ccw

UET

ATTACHMENT 1

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5.[6] Parent Drum No.: 5810397

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 ^{rc}₂₋₁₄₋₁₄ 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.: LA00000068936 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: 12

5.[74] Total amount of liquid found: 3 gal

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

5.[82] (\$) STATIONARY FIRE WATCH secured. (SAC 5.7.17) N/A
 Initials/Z# HW/287200 Date 2-14-14

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.:

5810397

Comments:

Drill and drain performed. 1/2 gallon of free liquid found on top of liner. 1/2 gallon found inside parent drum. A Total of 3 gallons removed. PH of 12. Found 1 gallon plastic container. Cut into two pieces. No liquid in container

9.1[1]

Performed By:

Heath Wade
Operator (Print)

Heath Wade
Signature

128722012-14-14
Z# Date

9.1[2]

Reviewed By:

Jan R Cassel
Supervision (Print)

Jan R Cassel
Signature

234252 12-14-14
Z# Date

9.1[3][B]

Acceptance criteria satisfied:

YES NO

9.1[3][E]

Approved By:

Robert V Harder
SOM or designee (print)

Robert V Harder
Signature

122448 2-17-14
Z# Date/Time



CONTAINERID: 68936
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>
68936	55G	LA00000068936	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
1LANDA1922	NDA	Complete	2014-03-05
LA-RTR2-14-0022	RTR	Complete	2014-02-21

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68936	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68936	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-RTR2-14-0022
Examination Date:	2/21/2014
Waste Container ID:	68937
Video/Audio Recorded Media Number:	LA-RTR2-14-0022 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>230.0</u> kg Tare Wt.: <u>34.1</u> kg Net Wt.: <u>195.9</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: 68937

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): Rigid 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):	1.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	194.9
Soils (S):	
Total WMP Weight:	195.9

CCP Radiography Data Sheet

Waste Container ID: 68937

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		2/21/2014
Print Name	Signature	Date

ATTACHMENT 1

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TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

5.[6] Parent Drum No.: 5807049

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) JP 116659 2/17/14
Initials/Z# Date

5.[7] Remediation start date: 02-17-14
 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: N/A

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

5.[29] Torque wrench information:
 MT&E No: 101309
 Cal. Expiration Date: 11/11/14
 Range in ft-lb: 40-200
 Tolerance: ±3% CW ±6% CCW

UET

ATTACHMENT 1

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5.[6] Parent Drum No.: 5807049

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.: LA000 000 68937 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: 25 gal

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

5.[82] (\$ STATIONARY FIRE WATCH secured. (SAC 5.7.17) JP 1166 N/A
NW 167001 / 02-17-14
 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.: 5807049

Comments: 12 Holes Verified in Rigid liner, liquid between
liner and drum absorbed. No liquid found in liner. liner
can not retain liquid. liner and contents including all
absorbed liquids placed in daughter drum 000000 68937.

~~No Further Entries~~

9.1[1] Performed By: John Pacheco [Signature] 116659 02/17/14
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Ryan Wells [Signature] 118700 02-17-14
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Joe Wise [Signature] 2543942 17-11
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: 68937
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>
68937	55G	LA00000068937	NO WDS STATUS	NO		LA-MIN03-NC.001 89 (LA-MIN03-NC.001 -Lot 89)	

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
ILANDA1922	NDA	Complete	2014-03-05
LA-RTR2-14-0022	RTR	Complete	2014-02-21

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
68937	NO DATA		

REJECT DATA

<u>Container ID</u>	<u>BDRID</u>	<u>NCRID</u>	<u>Release Code</u>	<u>Actual Condition</u>
68937	NO DATA			

CCP Radiography Data Sheet

Waste Container ID: S820345

Section 3: Container Inventory and Comments	(Detailed descriptions)
IM:	
AM:	
OM:	
OI:	
C:	
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):	
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):	148.9
Soils (S):	
Total WMP Weight:	149.9

CCP Radiography Data Sheet

Waste Container ID: S820345

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: Operator stated "0 Layers of Confinement" at the end of the recording, the correct number is 1 Layer of Confinement as is correctly reflected on this attachment.

RTR Operator:

Michael Simmons

Print Name



Signature

1/21/2014

Date

ATTACHMENT 1

Page 1 of 3

TA-54 AREA G LINED SLUDGE DRUM REMEDIATION CHECKLIST

- 5.[6] Parent Drum No.: 5820345

- 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.: 5820345

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): ^{12-20-13 kW} N/A 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
HW/2872224 12-20-13
Initials/Z# Date

CS

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

UET

ATTACHMENT 1

Page 3 of 3

5.[6] Parent Drum No.: 5820345

Comments: NONE ^{7E} 12-20-13
REMOVED RIGID LINER - DRILLED 1 HOLE AT BOTTOM OF LINER
NO LIQUID - PLACED RIGID LINER BACK IN CONTAINER - JUNK LINED 12-20-13
RIGID LINER PLACED IN #820345

9.1[1] Performed By: Heath Wade Heath Wade 1287229/12-20-13
Operator (Print) Signature Z# Date

9.1[2] Reviewed By: Jan R. Cassie Jan R. Cassie 234252/12-20-13
Supervision (Print) Signature Z# Date

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

9.1[3][E] Approved By: Pat O'Grady Pat O'Grady 1151258/1-24-14/1339
SOM or designee (print) Signature Z# Date/Time



CONTAINERID: S820345
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>
S820345	55G	LAS820345	NO WDS STATUS	NO		LA-MIN03-NC.001-Lot 89 (LA-MIN03-NC.001 -Lot 89)	

LA-MIN03-NC.001

BDR DATA

<u>BDRID</u>	<u>Type</u>	<u>Status</u>	<u>Generation Date</u>
2LANDA1256	NDA	Complete	2014-01-24
LA-RTR2-05-0148	RTR	Complete	2005-09-14
LA-RTR2-14-0008	RTR	Complete	2014-01-21
LA05-HGAS-LAHSG-080		Complete	2005-09-27
LA05-HGAS-LS HSG-080		Complete	2005-09-26
LA14FG12028	HSG_TRANS	Complete	2014-03-05
LANDA0192	NDA	Complete	2005-09-15

NCR DATA

<u>Container ID</u>	<u>NCRID</u>	<u>Status</u>	<u>Release Code</u>
S820345	NCR-LANL0424050	Closed	Resolved
S820345	NCR-LANL0508090	Closed	Resolved
S820345	NCR-LANL1608060	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>
S820345	LA05-HGAS-LS-080	NCR-LANL0508090	Closed	Resolved	The Hydrogen is greater than 5%.