ENTERED

Allen, Pam, NMENV

From: Maestas, Ricardo, NMENV
Sent: Thursday, December 18, 2014 9:33 AM
To: Allen, Pam, NMENV
Subject: FW: doc
Attachments: 68328 Remediation Docs.pdf

Email and Att.

From: Kliphuis, Trais, NMENV
Sent: Thursday, May 22, 2014 2:10 PM
To: Maestas, Ricardo, NMENV; Smith, Coleman, NMENV; Holmes, Steve, NMENV
Subject: doc

Trais Kliphuis
WIPP Staff Manager
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive E, Building 1
Santa Fe, New Mexico 87505

Office: 505-476-6051
Front Desk: 505-476-6000

140588

68328

Working Copy
Date: 9-6-13

ATTACHMENT 1
Page 1 of 4

WCRRF WCG WASTE PROCESSING DATA SHEET

4.1[6][B] Parent Waste Container No.: S891513

6.2[4] Date Processed: 9-6-13

4.1[6][B] Processing Activity (EP-DIV-AP-0107):
☐ > 190 mrem/hr ☐ PID ☐ Split ☑ Repack

4.1[6][B] Prohibited Items:
☐ Sealed Containers > 4L ☑ Liquids ☐ Pressurized Containers ☐ N/A

4.1[6][B] Parent Waste Container RCRA Designations: NONE

4.1[7] Activity Hazard Classification based on Anticipated Extremity Radiation Dose Rate:
☑ Moderate (≤ 10 rem/hr) ☐ High/Complex (> 10 rem/hr)

4.3[1]/4.3[2] ($) TA-50-69 is in the OPERATION or WARM STANDBY MODE (TSR 1.2) ☑ OPERATIONS ☐ WARM STANDBY ☐ N/A

4.3[4][B] Platform Scale: Equipment No.: 019065
Cal. Due Date: 10-14-14

4.3[5][B] ($) Three 1-Liter containers carbon spheroids or MET-L-X in WCG: (SAC 5.10.1.7.1) ☑ YES ☐ NO ☐ N/A

4.3[6] ($) Stationary Fire Watch has been established: ☑ N/A
(> 300 PE-Ci Equivalent Combustible)
(SAC 5.10.1.7.2)
N/A
(Initial and Date)

4.3[7 [A] Parent Waste Container degraded, loss of integrity, or weighs greater than 468 lb but less than or equal to 624 lb:
☐ YES ☑ NO ☐ N/A

4.3[8][D] WCG glove and bag-in/bag-out bag inspection: ☑ SAT ☐ UNSAT ☐ N/A

Performed By: Gerardo Estrada / [signature] / 1231720 / 9-6-13
Waste Handling Tech (print) Signature Z # Date

ATTACHMENT 1
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4.1[6][B] Parent Waste Container No.: S 891513

5.[18] Prepared Parent Drum Weight (lb) including items secured to drum top, as applicable: 418.6 lb

6.2[5][A] Parent Drum Lead Blanket Weight (lb): 160.0 lb

6.2[5][B]/ 6.2[6] Total Parent Drum Weight (lb) 578.6 lb

6.2[7] **($)** Total Parent Drum Weight < 624 lb (SR 4.5.1): ☑ SAT ☐ UNSAT

6.2[17][D] Drum lift hinge pin retaining clip replaced. N/A / / /
Initials Z# Date

6.2[28] Approval to leave a parent drum attached to the WCG overnight:

N/A / / / /
EWMO-FOD (print) Signature Z # Date

ATTACHMENT 1
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4.1[6][B] Parent Waste Container No.: 5891513

Daughter Drums					
10.1[4]/10.2[4]	Daughter Drum No.	68327	68328	N/A	
10.1[4]	Daughter Drum Filter No.	KL-531	KL-535		
10.1[4]	Daughter Drum Bag Filter No.	L-6633	L-6617		
10.1[4]	Daughter Drum Purchase Order No.	501321	501321		
10.1[13][C]	WCG Fire Watch Stationed	☐ YES	☐ NO	☑ N/A	
10.1[14][C][d]3/11.1[3]	WCG Fire Watch Secured	☐ YES	☐ NO	☑ N/A	
10.2[4]	POC bag-on bag: Manufacturer	BOP		N/A	
	Model No.	6cpvcl.5-2220L			
	Serial No.	L-6907			
	Date of Manufacture	1-13			
10.2[5]	POC ID No	02440/68340			
10.2[7][B]/10.2[6]	POC Item Description	NITRATE SALTS			
10.2[13]	POC Assembly closed per Manufacturer's instructions. (Initial and Z#)	GE 237720			
10.2[14]	POC Assembly Gross Weight (lb)	358.4			
10.2[15]	POC Rad. Survey Results (mrem/hr)	1500.5			
10.3[3][A]	Approx. Containerized Liquid Vol./Units	1 GALLON			
10.3[5][A]	Free Liquid Volume/Units	4 GALLONS			
10.3[7][A]	Opaque/Non-penetrable Item Description:	LEAD SHIELDING			
10.3[9][A]	PCB-contaminated Waste Description	N/A			
10.3[9][B]	PCB Item ID No.				
10.3[10]	Remaining Waste Description	SEE COMMENTS	SEE COMMENTS	N/A	
10.3[13]/10.4[10]/ 10.5[4]/10.6[10]	Daughter Drum % Full (%)	60 %	90 %		
10.5[3]/10.6[2]	Description Waste Added During Processing	PLASTIC GLOVEBOX Gloves	PLASTIC		

ATTACHMENT 1
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4.1[6][B] Parent Waste Container No.: 5891513

Comments: LEAD SHIELDING, NITRATE SALTS, PLASTIC, TAPE,

11.1[1] Performed By: GERALD ESPINOZA / [signature] / 2317720 / 9 7.13
Waste Handling Tech (print) Signature Z # Date

11.1[8] Reviewed By: Clayton Mullins / [signature] / 240092 / 9/7/13 0640
SOS or designee (print) Signature Z # Date/Time

Attachment 1. Checklist for the preparation of a new 55-Gallon Drum Assembly

Drum ID#: 68327

1. Drum/Lid Assembly

- ☑ Remove and discard ¾" bung from lid
- ☑ Remove Lid
- ☑ Inspect drum, lid, and gasket, ring bolt and nut, chines, and paint
  - NOTE: Reject damaged drum/lid assembly
- ☑ Place 2" duct tape on vertical seam on interior of drum

RECORD drum information:

Purchase Request #: 501321
Lot #: 10237720
Date of Manufacture: 2013

2. Drum Liner Bag/Filter Assembly:

- ☑ Place yellow vinyl tape, with smear centered on tape, over filter
- ☑ Fill bag with air from compressed air source
- ☑ Inspect bag for damage, cuts, or leaks by looking, listening, and feeling
  - NOTE: Reject or repair damaged, cut, or leaking bags
- ☑ Stretch bag's bungee cord
- ☑ Inspect bungee cord
  - NOTE: Reject bag if bungee cord is broken or damaged

RECORD bag filter information:

Manufacturer: BCP
Model #: GCD-1.5-25 PVC
Serial #: 1-6633
Date of Manufacture: 1/13

3. Cardboard Liner/Plastic Liner Drum Liner Bag/Filter Assembly:

- ☑ Inspect cardboard liner/plastic liner (circle type of liner used)
  - NOTE: Reject any damaged liners
- ☑ Place cardboard/plastic liner into drum liner bag/filter assembly
- ☑ Line up filter with drum seam
- ☑ Place liner/bag/filter assembly into drum
- ☑ Roll excess liner bag into cardboard liner/plastic liner

4. Install Lid/Drum Filter

- ☑ Place lid and ring onto drum
- ☑ Tighten ring sufficiently to simply hold lid in place
- ☑ Torque 2" bung plug
- ☑ Apply sealant to filter threads, screw in ¾" bung hole, and torque
- ☑ Place this Attachment and blank Attachment 2 into a protective sleeve and tape to top of drum

RECORD drum filter information:

Manufacturer: NELFIL
Model #: 019 DJ
Serial #: KL 531
Date of Manufacture: 11/11

RECORD torque wrench information:

Filter torque wrench:
M&TE ID #: 100216
Cal Expiration Date: 12-15-13
Range (ft-lbs or in-lbs): 40-200
Tolerance: +44.0 or +60.0 CW

Jam Nut / Bung torque wrench:
M&TE ID #: 038569
Cal Expiration Date: 12-15-13
Range (ft-lbs or in-lbs): 10-80
Tolerance: +34.5 CW +64.5 CW

Torque wrenches listed above are within the acceptable ranges as displayed on the calibration certificate

☑ Yes ☐ No

Print Name: Ian Marenco Signature: [signature] Z#: 27679

5. Weigh Drum Assembly

RECORD weight information

Tare wtight (lbs) 74.6
File ID #: 019065

☑ Write the tare weight on drum using permanent marker

6. Label Drum Assembly

- ☑ Place 1 barcode drum ID label to the left of the drum seam, ~6" from drum bottom
- ☑ Place 1 barcode drum ID label in the center of the drum lid

RECORD drum ID# at the top of Attachments 1 and 2

Operator Print: Ian Marenco Operator Sign: [signature] Z#: 27679 Date: 8-15-13

Verifier Print: Gerald Espinoza Verifier Sign: [signature] Z#: 237720 Date: 9-6-13

Attachment 2. Checklist for the Closing of a 55-Gallon Drum Assembly

DRUM ID# 68327

1. LID INSTALLATION

NOTE: Install lid per manufacturer's instructions

✓ Mount lid with filter directly over drum seam.

✓ Install ring with bolt positioned downward and directly over drum seam.

✓ Engage bolt and nut and torque per manufactures instructions

NOTE Seal the ring while tightening using a rubber hammer or dead-blow mallet or a drum lid press.

✓ Tighten jam nut.

Record torque wrench information:

MT&E #: 638373

Cal expiration date 9-11-13

Range/ Value (ft-lbs): 10-80

Tolerance ±3% cw ±6% ccw

2. DRUM LABELING

NOTE: Do not cover the drum seam with any labels.

✓ Place two barcode drum ID labels ~6" from the bottom of the drum ~120° from previously placed ID label.

✓ Place one barcode drum ID label to the right of drum seam between the top two rolling hoops.

✓ Place one yellow radioactive waste label between the top two rolling hoops

✓ Place one yellow radioactive waste label in the center of the drum lid.

RCRA Label:

✓ Place one blue NON-RCRA Regulated Waste label between the top two rolling hoops.

OR GE 9-7-13

✓ Place one yellow HAZARDOUS Waste label between the top two rolling hoops left of the drum seam. (Ensure EPA waste number and accumulation start date are documented.)

NOTE: Check only one of the above two boxes.

3. WEIGH DRUM ASSEMBLY

Record weight information:

Gross Weight(lbs) 172.4

Scale ID#: 0190105

✓ Using a permanent marker, write the gross weight on the drum lid.

4. FINALIZE DOCUMENTATION

✓ Have RCT monitor drum prior to moving to storage area

✓ Place attachment 1 and 2 and HMPT Tag into a protective sleeve.

✓ Complete TWSR.

GERRID ESPANOZA

Operator Print/Sign: [illegible] Date 9-7-13

Verifier Print/Sign: Clyde Mullins CA Date 9/7/13

Attachment 1. Checklist for the preparation of a new 55-Gallon Drum Assembly

Drum ID#: 108328

1. Drum/Lid Assembly

- [ ] Remove and discard ¾" bung from lid
- [ ] Remove Lid
- [ ] Inspect drum, lid, and gasket, ring bolt and nut, chines, and paint
  NOTE: Reject damaged drum/lid assembly
- [ ] Place 2" duct tape on vertical seam on interior of drum

RECORD drum information:
Purchase Request #: 501321
Lot #: 0237720
Date of Manufacture: 2013

2. Drum Liner Bag/Filter Assembly:

- [ ] Place yellow vinyl tape, with smear centered on tape, over filter
- [ ] Fill bag with air from compressed air source
- [ ] Inspect bag for damage, cuts, or leaks by looking, listening, and feeling
  NOTE: Reject or repair damaged, cut, or leaking bags
- [ ] Stretch bag's bungee cord
- [ ] Inspect bungee cord
  NOTE: Reject bag if bungee cord is broken or damaged

RECORD bag filter information:
Manufacturer: BOP
Model #: 6CPVC-1.5-2.5PVC
Serial #: 66619
Date of Manufacture: 1/13

3. [redacted] Liner/Plastic Liner Drum Liner Bag/Filter Assembly:

- [ ] Inspect cardboard liner/plastic liner (circle type of liner used)
  NOTE: Reject any damaged liners
- [ ] Place cardboard/plastic liner into drum liner bag/filter assembly
- [ ] Line up filter with drum seam
- [ ] Place liner/bag/filter assembly into drum
- [ ] Roll excess liner bag into cardboard liner/plastic liner

4. Install Lid/Drum Filter

- [ ] Place lid and ring onto drum
- [ ] Tighten ring sufficiently to simply hold lid in place
- [ ] Torque 2" bung plug
- [ ] Apply sealant to filter threads, screw in ¾" bung hole, and torque
- [ ] Place this Attachment and blank Attachment 2 into a protective sleeve and tape to top of drum

RECORD drum filter information:
Manufacturer: NUCFIL
Model #: 01905
Serial #: RC555
Date of Manufacture: 11/21

RECORD torque wrench information:

Filter torque wrench:		Jam Nut / Bung torque wrench:	
M&TE ID #:	180216	M&TE ID #:	038369
Cal Expiration Date:	12/18/13	Cal Expiration Date:	12/18/13
Range (ft-lbs or in-lbs):	40-200	Range (ft-lbs or in-lbs):	10-80
Tolerance:	+/- 4% CW +/- 6% CCW	Tolerance:	+/- 3% CW +/- 6% CCW

Torque wrenches listed above are within the acceptable ranges as displayed on the calibration certificate.
[x] Yes [ ] No
Print Name: JOE QUINTANA Signature: Joe Q Z#: 239987

5. Weigh Drum Assembly

RECORD weight information
Tare wight (lbs) 76.4
File ID #: 019005

- [ ] Write the tare weight on drum using permanent marker

6. Label Drum Assembly

- [ ] Place 1 barcode drum ID label to the left of the drum seam, ~6" from drum bottom
- [ ] Place 1 barcode drum ID label in the center of the drum lid

RECORD drum ID# at the top of Attachments 1 and 2

Operator Print: JOE QUINTANA Operator Sign: Joe Q Z#: 239987 Date: 8/19/13
Verifier Print: GERALD ESPINOZA Verifier Sign: [signature] Z#: 237720 Date: 9.6.13

Attachment 2. Checklist for the Closing of a 55-Gallon Drum Assembly

DRUM ID#: 108328

1. LID INSTALLATION

NOTE: Install lid per manufacturer's instructions

✓ Mount lid with filter directly over drum seam.

✓ Install ring with bolt positioned downward and directly over drum seam.

✓ Engage bolt and nut and torque per manufactures instructions

NOTE Seal the ring while tightening using a rubber hammer or dead-blow mallet or a drum lid press.

✓ Tighten jam nut.

Record torque wrench information:

MT&E#: 038373

Cal expiration date: 9-11-13

Range/ Value (ft-lbs): 10-80

— Tolerance ±3% cw ±6% ccw

2. DRUM LABELING

NOTE: Do not cover the drum seam with any labels.

✓ Place two barcode drum ID labels ~6" from the bottom of the drum ~120° from previously placed ID label.

✓ Place one barcode drum ID label to the right of drum seam between the top two rolling hoops.

✓ Place one yellow radioactive waste label between the top two rolling hoops

✓ Place one yellow radioactive waste label in the center of the drum lid.

RCRA Label:

✓ Place one blue NON-RCRA Regulated Waste label between the top two rolling hoops.

OR

GE 9-7-13 ✓ Place one yellow HAZARDOUS Waste label between the top two rolling hoops left of the drum seam. (Ensure EPA waste number and accumulation start date are documented.)

NOTE: Check only one of the above two boxes.

3. WEIGH DRUM ASSEMBLY

Record weight information:

Gross Weight(lbs): 434.8

Scale ID#: 019065

✓ Using a permanent marker, write the gross weight on the drum lid.

4. FINALIZE DOCUMENTATION

✓ Have RCT monitor drum prior to moving to storage area

✓ Place attachment 1 and 2 and HMPT Tag into a protective sleeve.

✓ Complete TWSR.

Operator Print/Sign: Gerald Espinoza Date: 9-7-13

Verifier Print/Sign: Clayton Mullins CA Date: 9/7/13

ATTACHMENT 2
Page 1 of 1

8/27/13 HS

WCRRF OVERPACK DRUM ASSEMBLY PREPARATION DATA SHEET

5.[3] Overpack drum information:

Purchase Order No.:	414113
Lot No.:	212078
Manufacture Date:	2011

5.[8] Overpack filtered vent and 2-in. bung torque wrench information:

	Filtered Vent	2-in. Bung
M&TE No.:	100216	038369
Cal. Expiration Date:	12-18-13	12-18-13
Tolerance:	± 4% CW ± 6% CCW	± 3% CW ± 6% CCW

Overpack filtered vent information:

Manufacturer:	NUCFIL
Model No.:	013
Serial No.:	JL-1810
Manufacture Date:	10/11

5.[9] Torque wrench listed above is within the acceptable ranges as displayed on the calibration certificate. ☑ Yes ☐ No

5. [11] Performed By: Brian Gallegos / Bri Gallegos / 267129 8-27-13
Waste Handling Technician (print) Signature Z # Date

5.[15] Filtered Vent torque value [120 in-lb (96 to 144 in-lb)]: 120 in-lb

5. [18] 2-in. bung plug torque value: 30 ft-lb

Comments: N/C

8.1[1] Performed By: Brian Gallegos / Bri Gallegos / 267129 8-27-13
Waste Handling Technician (print) Signature Z # Date

8.1[6] Reviewed By: Clayton Mullins / [signature] / 240094 9/7/13
Supervisor or designee (print) Signature Z # Date

Working Copy
Date: 9-6-13

ATTACHMENT 5
Page 1 of 1

WCRRF OVERPACK DRUM CLOSURE DATA SHEET

7.[17] Overpack Drum Unique Identifier No.: 68358

7.[23] Overpack drum closure ring torque wrench information:

M&TE No.: 038373
Cal. Expiration Date: 9-11-13
Range in ft-lb: 10-80
Tolerance: ±3% cw ±6% ccw

7.[24] Torque wrench listed above is within the acceptable ranges as displayed on the calibration certificate. ☑ Yes ☐ No

Performed By: Gerardo Esparza [signature] R37720
Waste Handling Technician (print) Signature Z # Date

7.[26] Overpack drum closure ring torque value: 60 ft-lb

7.[29] Threaded lug of the drum closure ring is not touching the jam nut and the locking ring lugs are not touching. ☑ SAT ☐ UNSAT

7.[34][B] Platform scale serial number: 019065
Platform scale calibration expiration date: 10-14-14

7.[34][D] 85-gal overpack drum gross weight (lb): 171.8 lb

Comments: N/A

8.1[1] Performed By: Gerardo Esparza [signature] R37720 / 9.7.13
Waste Handling Technician (print) Signature Z # Date

8.1[7] Reviewed By: Clayton Mullins [signature] 240082 9/7/13
Supervisor or designee (print) Signature Z # Date

WDP WASTE REMEDIATION SAFETY EVALUATION DATA SHEET

Production Control

Container ID: S891513 Container Type: 55-GAL Gross Weight (lbs): 441

Inner Seal #: 023626 Filter Prefix: LAS Filter Serial #: 03177

AK Waste Stream: LA-MHD01.001 Certified RTR BDR: LA-RTR2-11-0147

TWSR Comments: LEACHED SOLIDS W/LEAD NITRATED SALTS A06422

Total PE-Ci Activity: 1.47E+01 Equivalent Combustible PE-Ci: 5.50E+00 AM-241 PE-Ci: 1.19E+00

Total Fissile Gram Equivalents: 162.1 Total Surface Dose Rate (mrem/hr): 10

EPA Code(s): None

NCR RTR/NDA Comment: None

RTR Pre-Screen Date: 7/31/2007 Comment: Liquids, Impenetrable Obj, Liner Not Punctured, Liquid Location: 23

Certified RTR Comment: Unvented Liner, Impenetrable Items, Liquid greater than 1% by volume

Prohibited Items: ☒ Sealed > 4 Liters ☒ Liquid ☒ Pressurized Container ☒ Impenetrable Item ☒ Other

Security Determination: ☒ Green ☐ Yellow

Remediation Determination: ☒ VE 10/31/12 ☒ PID ☐ Split ☒ Repack

Estimated 30-cm Dose Rate (mrem/hr): ☐ <100 ☐ >100 and <1,000 ☒ >1,000 and <10,000 ☐ >10,000

TRUCON Code: LA125M Production Control Comments: Ensure EPA Codes D007, D008, and D009 are on the label. A minimum of 1.2 volumes of kitty litter/zeolite must be mixed with 1.0 volume of nitrate salts.

Performed By: R. W. Jones — 117434 — 10/31/12
Production Control (Print) — Signature — Z Number — Date

SUSAN S. RAMSEY — 100681 — 10/31/12

WDP Engineering

Chemicals Present (e.g., pyrophorics, acids, bases, shock sensitive, organic liquids, peroxides, crown ethers): ☐ Yes ☐ No ☐ Unknown

Processing Determination: ☐ Accept ☐ Reject

WDP Engineering Comments: Nitrate salts

Net Wt: 381 lb. Historical info shows 13 items of nitrate salts in plastic bags, ranging in weight from 6 lb to 37 lb. RTR inventory shows 90 mil lined 55 gal drum contains scrap lead, plastic & solid homogeneous material. Nitrate salts may contain undocumented liquids.

May require RWP for >1000 and <10,000 mrem/hr

Performed By: Valerie Rhodes — 112609 — 2/7/12
WDP Engineering (Print) — Signature — Z Number — Date

TRU Remediation Operations

☒ Waste Container Information Evaluated ☐ Less Than 170 lbs ☐ RTR Video Available

Other Specific Safety Concerns: Use Heavy duty gloves during processing. Do not push or press on waste with hands.

Processing Determination: ☒ Accept ☐ Reject

TRU Remediation Operations Comments: Use proper ratio of kitty litter to waste.

Performed By: Vanessa Velarde — 234079 — 2/8/12
TRU Remediation Operations (Print) — Signature — Z Number — Date

Jose Perez — 224452 — 4-21-13

IHS Review. CSR, may contain Pb, Cr, Hg 11/5/12

Report Date: Thursday December 1,2011 10:00 AM

Isotopal Breakdown of Material Types

PKG ID: S891513

Rad Codes	PE-Curies	Fissile Grams	Total Curies	Total Grams
AM241	1.21E+00	6.42E-03	1.19E+00	3.43E-01
CS137	0.00E+00	0.00E+00	7.56E-04	8.59E-06
PU238	2.68E-01	1.94E-03	2.97E-01	1.72E-02
PU239	1.01E+01	1.61E+02	1.01E+01	1.61E+02
PU240	2.37E+00	2.32E-01	2.37E+00	1.03E+01
PU241	7.00E-01	7.72E-01	3.57E+01	3.43E-01
PU242	1.28E-04	2.57E-04	1.36E-04	3.43E-02
SR90	0.00E+00	0.00E+00	7.56E-04	5.48E-06
U234	0.00E+00	0.00E+00	2.17E-05	3.43E-03
U235	0.00E+00	1.10E-01	3.76E-07	1.72E-01
	1.47E+01	1.62E+02	4.97E+01	1.72E+02

Data source: TRUP_V$_PKG_RAD 11/27/2011

Attachment 2 – CCP Radiography Data Sheet

Section 1: General Information	
☑ RTR Examination ☐ RTR Replicate Scan ☐ RTR Independent Observation	
Site ID:	LANL
Batch Number:	LA-RTR2-11-0147
Examination Date:	11/15/2011
Waste Container ID:	S891513
Video/Audio Recorded Media Number:	LA-RTR2-11-0147 A
Procedure and Revision No.:	CCP-TP-053 Rev. 11
NCR(s) associated with the container? (e.g., Prohibited Items)	☐ NO ☑ YES NCR No.: NCR-LANL-3836-11 NCR No.: NCR-LANL-3837-11 NCR-LANL-3839-11

Section 2: Waste Container Data	
Container Type:	55 Gallon Drum
TRUCON Code:	LA225
Waste Matrix Code:	S5400
Waste Stream I.D.:	LA-MHD01.001
Waste Container Weights:	Gross Wt: 188.0 kg. Tare Wt: 35.1 kg. Net Wt: 152.9 kg.
Rigid Liner and Liner Vent Description: (e.g., "90 mil liner – NO Lid" or "NO Liner")	90mil Liner - Unvented PO 12/1/11
Number of Layers of Confinement:	~~Appears to be 1 layer~~ Can not Verify PO 12/1/11
Volume Utilization Percentage:	95 %

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: S891513

Section 3: Container Inventory and Comments (Detailed descriptions)
Scrap lead
Plastic bags, horsetail
homogeneous solid material

Section 4: Packaging Material and Waste Material Parameters	
Packaging Material:	Estimated Weight (kg)
Steel (ST):	27.7
Plastics (PP): Rigid Liner	7.4
Others:	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):	75.5
Other Inorganic Materials (OI):	
Cellulosics (C):	
Rubber (R):	
Plastics (waste materials) (XPM):	2.0
Organic Matrix (OR):	
Inorganic Matrix (IN):	75.4
Soils (S):	
Total WMP Weight:	152.9

Attachment 2 – CCP Radiography Data Sheet (Continued)

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Waste Container ID: S891513

Section 6: RTR Summary	Yes	No
Is there observable liquid?	☑	☐
Is there any observable liquid in internal containers, more than 60 milliliters or 3 percent by volume, whichever is greater?	☐	☑
Is the total volume of observable liquid in the outermost container GREATER than 1% of the container?	☑	☐
Is there observable liquid in payload containers with an EPA Hazardous Waste Number of U134?	☐	☑
Is there an indication of non-radionuclide pyrophoric materials, such as elemental potassium?	☐	☑
Is there an indication of hazardous wastes not occurring as co-contaminants with TRU mixed wastes (non-mixed hazardous wastes)?	☐	☑
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))?	☐	☑
Is there an indication of wastes containing explosives or compressed gases?	☐	☑
Is there an indication of PCBs liquids?	☐	☑
Is there an indication of the waste exhibiting the characteristic of ignitability, corrosivity, or reactivity (EPA hazardous waste numbers of D001, D002, or D003)?	☐	☑
Is the physical form of the waste inconsistent with the Waste Stream Description or the Waste Matrix Code?	☑	☐
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?	☐	☑
Were there Non-approved Closure Methods used on liner bags or inner bags greater than 4 liters?	☐	☑
Are there sealed containers GREATER than 4 liters?	☑	☐
Are there indications of inadequate protection for heavy and/or sharp objects?	☐	☑

Comments: NCR-LANL-3836-11
NCR-LANL-3837-11
NCR-LANL-3839-11

RTR Operator:

Print Name	Signature	Date
Philip Dillard		11/15/11

12/1/11

1911 0538

NONCERTIFIED TRU WASTE DRUM REPORT

Radioactive Solid Waste Disposal Record

Rat Serial Number (DrumID): 023626

RSWD Form Number: S891513
Old RSWD:
Date: 01/31/89

Origin of Waste

Group: MST-12
TA: 55
Building: PF-4
Room/Wing:
Program Code: K530

Waste Description

Waste Code: A27
Waste Description:
LEACHED SOLIDS

Additional Description:
NITRATED SALTS A06422

Noncertified TRU Waste Supplemental Data

Waste Generator's Pkg Info

Organic Mat'l Wt (lb): 15.
Organic Mat'l Vol (%): 20.

Internal Shielding Type: LEAD
Thickness (in): 0.063

Additional Information:
NITRATED SALTS IN PLASTIC BAGS

Generator Site Health Physics Info

Gamma Dose Rate (mrem/h): 10.
Neutron Dose Rate (mrem/h): 0.7
Total Dose Rate (mrem/h): 11.
Alpha Cont (dpm/100cm2): 0.
Beta-Gamma Cont (dpm/100cm2): 17.

Date: 02/07/89

Nonradioactive Hazardous Materials

Name	EPA Code	Quantity (g)	Comments
LEAD	D008	38000.00	

Noncertified TRU Waste Drum Item Information

DrumID: 023626

Item No	ItemID	Process Status	Net Wt (kg)	Matrix	Meas Code	SNM (g)	MT	Auth (Pg/Ln)		Comments
1	10LR5ES1		2.590	NITRATE SALTS	R04	0.28	52	8/13	G468	
2	10LR12ES1		8.840	NITRATE SALTS	R04	3.39	52	8/13	G468	
3	11LR18ES1		7.550	NITRATE SALTS	R04	2.94	52	8/13	G468	
4	11OX30WS1		5.100	NITRATE SALTS	R04	0.8	52	8/13	G468	
5	11LR30ES1		9.430	NITRATE SALTS	R04	14.43	52	8/13	G468	
6	12LR1ES1		15.510	NITRATE SALTS	R04	87.63	52	8/13	G468	
7	12OX14WS1		8.210	NITRATE SALTS	R04	2.5	52	8/13	G468	
8	12OX6WS1		8.510	NITRATE SALTS	R04	4.69	52	8/13	G468	
9	12LR16ES1		16.400	NITRATE SALTS	R04	14.33	52	8/13	G468	
10	12RR14ES1		7.360	NITRATE SALTS	R04	21.56	52	8/13	G468	
11	1LR4ES1		10.000	NITRATE SALTS	R04	10.5	52	8/13	G468	
12	14213ES1		5.300	NITRATE SALTS	R04	4.08	52	8/13	G468	
13	12OX21ES1		9.900	NITRATE SALTS	R04	5.08	52	8/13	G468	

Noncertified Waste Drum Material Summary

Gross Wt (kg): 200.1

Material Type	SNM (grams)	Items Net Wt (kg)
52	172.21	114.70
Totals	172.21	114.70

1941 0540

Los Alamos
Los Alamos National Laboratory
Los Alamos, New Mexico 87545

RADIOACTIVE SOLID WASTE DISPOSAL RECORD

NOTE: Read instructions on back carefully before completing this form.

HSE-7 Waste Management
Ext 6095, MS J592

1. Form Number	2. Date (M M D D Y Y)	3. Retrievable Serial Number	4. Origin of Waste: Group	TA	Building	Wing	Program Code	5. Waste Code
8 8 9 1513	0 1 5 1 8 9	0 2 3 6 2 6	MST 12	55	PF4	[redacted]	K530	A27

6. Waste Description

LEACHED SOLIDS

7. Numbers of Waste Packages: Plastic Bags	Card-Board Boxes	Drums No	Drums Gal	Wooden Crates No	Wooden Crates Volume-ft³	8. Gross Volume: Amount	(M = meter³, F = foot³, G = gallon)	9. Package Radiation at: Surface (mr/hr)	1 Meter (mr/hr)
30			55			550	G [redacted]	10	1

10. Gross Weight: Amount	(K = kilogram, P = pound, T = ton)	11. Additional Description of Packaging and Packaging Materials
2000	K [redacted]	NITRATED SALTS 40422

12. Radionuclide Content

Nuclide	Amount	±	(C = curie, M = gram)	Error on Amount	±	Amount Determined By (A = analysis, M = measurement, E = estimate)	SS Materials Write-Off: Account	Project Code
PU52	1.722	E +12	m [redacted]		E	A [redacted]	745	8112
		E			E			
		E			E			
		E			E			
		E			E			
		E			E			

APPROVALS

Waste Generator (Print Name Here)	HSE-1/-10/-11 Area Representative (Print Name Here)	Additional Signature (Optional)
Phyllis J. Quintana	Michael C Loibl	
Signature certifies that waste is not a hazardous chemical or mixed waste and is packaged in accordance with ALL applicable disposal requirements (Signature): Phyllis J. Quintana	Signature certifies that waste package or shipment is safe to handle and transport. (Signature): Michael C Loibl	

13. Date Disposed (M M D D Y Y)	14. Disposal/Storage Location: Area	Shaft	Pit	Post(s)	Layer	Pos	15. Shaft Surface Dose (mr/hr)
				T			

HSE-7 Waste Management Representative (Print Name Here)	Received	Logbook	Computer	Verified
Signature certifies that waste acceptance criteria and all disposal requirements were met (Signature)	Date	Date	Date	Date

Form Number HS 10-2A (11/87)

1 9 1 1 0 4 1

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

RSWD Form Number	Retrievable Serial Number
S 8 9 1 5 1 3	0 2 3 6 2 6

NONCERTIFIED TRU WASTE SUPPLEMENTAL DATA SHEET

I. Waste Generator's Package Information

Organic Material Weight (lb.)	1.5 E+1	Organic Material Volume (%)	20

Internal Shielding Type	Thickness (in.)	Nonradioactive Hazardous Materials Name	EPA Code	Quantity (g)
☐ None				
☒ Lead	6.3 E-2	LEAD	D008	3.8 E+4
☐ Steel	. E			. E
☐ Concrete	. E			. E
☐ Other	. E			. E

Internal Packaging	Additional Information
☑ Plastic bags	Nitrated Salts in PLASTIC BAGS
Number 26/13	
Thickness 5ml/12ml	Fixed Alpha NDA
☑ 60-mil HDPE Liner	Lnd 13E, 3590
☐ Blocking	
☐ Other	

The waste described herein was prepared, packaged, and documented such that it meets all of the applicable requirements of AR 10-5 of the Los Alamos Health and Safety Manual. The data are correct and complete to the best of my knowledge.

Printed Name	Signature	Date
Phyllis J. Quintana	Phyllis J. Quintana	2/7/89

II. GENERATOR SITE HEALTH PHYSICS INFORMATION

Gamma Dose rate (mrem/h)	1.0 E+1	Survey Meter Model Ro-3C	Property No. 2665
Neutron Dose Rate (mrem/h)	0.7 E+0	Survey Meter Model PNR-4	Property No. 4919
Total Dose Rate (mrem/h)	1.1 E+1	The data in this section were collected as prescribed in approved procedures.	
Alpha contamination (dpm/100cm²)	0.0 E+0	Printed Name Michael C. Loibl	Date 2/7/89
Beta-Gamma Cont. (dpm/100cm²)	1.7 E+1	Signature Michael C Loibl	

III. HSE-7 AUTHORIZATION

The data package for this waste has been reviewed by HSE-7. The generator is authorized to arrange transportation to TA-54.

Printed Name	Signature	Date
BRUCE LE BRUN	Bruce Le Brun	2/14/89

IV. RECEIVING SITE HEALTH PHYSICS INFORMATION

Gamma Dose rate (mrem/h)	. E	Survey Meter Model	Property No.
Neutron Dose Rate (mrem/h)	. E	Survey Meter Model	Property No.
Total Dose Rate (mrem/h)	. E	The data in this section were collected as prescribed in approved procedures.	
Alpha contamination (dpm/100cm²)	. E+	Printed Name	Date
Beta-Gamma Cont. (dpm/100cm²)	. E+	Signature	

HS Form Number 10-5B (11/88)

DISCARDABLE SOLIDS

☑ Leached ☐ N-comb. ☐ Comb. ☐ PN

TAMPER SEAL # A06422
Seal # RM # C23626

Waste Code A-27

Date Sealed 2/7/89

RSLD #

Item #	Item ID	From Room/ Box	Net Wt. KG	Matrix (Material)	Meas. Code	g Pu	%	MT	Generator Name	Waste Mgmt. Personnel	Auth Pg/Ln	Date
1	1CKR5ES1	G468	2.59	Nitrate Salts	RC4	.38	5.99	52	Willard Williams		8/13	10/15/88
2	10LR12ES1	G468	8.54	Nitrate Salts	RC4	3.39	6.00	52	Willard Williams		8/13	11/1/89
3	11LR18ES1	G468	7.55	Nitrate Salts	RC4	2.94	6.00	52	Willard Williams		8/13	11/21/88
4	11CR3CWS1	G468	5.10	Nitrate Salts	RC4	.80	5.99	52	Willard Williams		8/13	12/1/88
5	11LR30ES1	G468	9.43	Nitrate Salts	RC4	14.43	6.00	52	Willard Williams		8/13	12/6/88
6	12LR1ES1	G468	15.51	Nitrate Salts	RC4	87.63	5.98	52	Willard Williams		8/13	12/7/88
7	12CK14WS1	G468	5.21	Nitrate Salts	RC4	2.51	6.26	52	Willard Williams		8/13	12/21/88
8	12OK6WS1	G468	8.51	Nitrate Salts	RC4	4.69	5.94	52	Willard Williams		8/13	12/5/88
9	12LR16ES1	G468	16.40	Nitrate Salts	RC4	14.33	6.00	52	Willard Williams		8/13	12/20/88
10	12AR14ES1	G468	7.36	Nitrate Salts	RC4	21.56	5.90	52	Willard Williams		8/13	12/6/88

MT	MASS SNM	NET WEIGHT	ACCOUNTABILITY CHECK
52	172.21	114.70 KG	

Confirmation Value

Gross Weight 200.1 KG

DISCARDABLE SOLIDS

☑ Leached ☐ N-comb. ☐ Comb. ☐ PN

Seal # DRM#023626 Waste Code A-27 Date Sealed 2/7/89

RSWD # _____

Item #	Item ID	From Room/ Box	Net Wt. KG	Matrix (Material)	Mass. Code	g Pu	%	MT	Generator Name	Waste Mgmt. Personnel	Auth Pg/Ln	Date
1	1LR4ES1	G468	10.00	Nitrate Salts	R04	10.50	6.33	52	Willard Williams	[illegible]	8/13	1/10/89
2	14213ES1	G468	5.30	Nitrate Salts	R04	4.08	6.00	52	Willard Williams	[illegible]	8/13	1/12/89
3	12 00 21ES1	G468	9.90	Nitrate Salts	R04	5.08	6.38	52	Willard Williams	[illegible]	8/13	1/5/89
4												
5												
6												
7												
8												
9												
10												

MT	MASS SNM	NET WEIGHT	ACCOUNTABILITY CHECK
52	172.21	114.70 KG	

Confirmation Value ——

Gross Weight 200.1 KG

SP1

ATTACHMENT 1
Page 1 of 1

TA-54 AREA G WASTE CONTAINER HYDROGEN/VOC SAMPLE ANALYSIS DATA SHEET

5.[1] Sample Date: 1/26/12

Container No. (5.[1])	S824188	S810475	S891513			
Filtered Vent Type (5.[1])	72	72	72			
WIPP-Approved Filtered Vent (5.[2])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT
Total CCP VOC value (< 7,000 ppm) (5.[4])	2.61 ppm	Ø ppm	Ø ppm	ppm	ppm	ppm
Hydrogen Reading (< 64,000 ppm) (5.[5])	447.5 ppm	Ø ppm	Ø ppm	ppm	ppm	ppm
Methane Reading (< 16,000 ppm) (5.[5])	Ø ppm	Ø ppm	Ø ppm	ppm	ppm	ppm

No Methane Entries 1/30/12

5.[7] Certified CCP Technician:

Performed By: Sara Aragon (CCP (Print)) 237975 (Z#)

Reviewed By: Sara Aragon (CCP (Print)) 237975 (Z#)

Comments: N/C

6.1[2][A] (S) WCRRF waste container satisfies the following criteria: ☑ SAT ☐ UNSAT

- Hydrogen less than or equal to 3 2% (32,000 ppm)
- VOC less than or equal to 7,000 ppm

6.1[2][B] Performed By: Alicia Herrera (Waste Handling (Type or Print)) (Signature) Herrera 198450 1/30/12.

InstName : Unit-2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120126c\
Data File : S891513.D
Acq On : 26 Jan 2012 4:32 pm (#1); 26-Jan-12, 16:32:15 (#2)
Operator : SA
Sample :
Misc : 55 GAL LFL SAMPLED UNDER DRUM LID -072 FILTER (Sig #1); (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 26 16:42:27 2012
Quant Method : C:\msdchem\1\METHODS\vocgas.m
Quant Title : Flammable Gas Analysis
QLast Update : Tue Oct 18 13:58:45 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
3) Fluorobenzene	3.700	96	7553174	209.00	ppmv	0.07
15) Chlorobenzene-d5	6.016	117	6125907	185.50	ppmv	0.07

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

vocgas.m Thu Jan 26 16:42:37 2012