0080577

Low-Level Burial Grounds Solid Waste Storage/Disposal Records

1706-94-001700

and

1706-96-000016

RECEIVED
MAR 19 2009
EDMC

T-1-3

28449

Radioactive Waste Shipment Portfolio Traveller

SWITS Entry/Review

Date Received: 10/7/96

Date Completed: 10/8/96

NOTES:

Performed By (Print Name): Tom Thopson Signed: T. O. Thompson

Technical Review

Date Received: 10/8/96

Date Completed: 10/9/96

Number of Containers to be Verified: Verification Facility:

NOTES: See attached.

Performed By (Print Name): Mandrake F. Pascual Signed: Mandrake F. Pascual

Operational Review

Date Received:

Date Completed: 10/16/96

NOTES:

TRU Waste? ☐ Y ☐ N CSR Review: Shipment Date:

Performed By (Print Name): Signed: 10/16/96

Receipt Acceptance

Date Received:

Date Completed:

NOTES:

Performed By (Print Name): Signed:

THIS SHIPMENT IS TO UNDERGO VERIFICATION PRIOR TO FORMAL ACCEPTANCE

Date: 10/11/96
Gen: = 2225
Waste Stream: LLW

Portfolio Number: 28449

Number of waste containers to be verified: 2 of (8) Boxes
Note: Portfolio also includes: Drums 4 & Other 3

___ select containers at random
X select the containers with the following PINs:
1706-96-000021 and 1706-96-000022

Waste is to be verified by (check all that apply):

___ generator assessment
X verification at the point-of-generation
special entry requirements: _____
___ RTR at TRUSAF
___ physical verification at 2706T
___ chemical screening at 2706T

Shipment is to be delivered to the following facility for verification or staging:

X Not Applicable
___ TRUSAF
___ CWC
X LLBG
___ RMW Trenches
___ 2706T
___ WRAP

Special Instructions:

To Shipment Scheduler: Call Verification Program Coordinator prior to scheduling the shipment in order to get the following information:

Verification Date: _____ Time: _____ Location: _____

Shipment is to be scheduled: (check all that apply)
___ On the same date as verification, if possible.
X No earlier than the day after verification. Note: Verification is complete; so okay to schedule. gam
___ No later than _____ due to clock considerations.

Verification Program Coordinator Joyce M Guffey for → Robert E. Bolls, 372-0789
376-1859

PFO_N	PFO_GGRP	CON_PKG_ID	CON_SEC_PKG_ID	CON_LOCN_FA	CON_SIZE_DESCR	CON_TSD_A
28449	222S	1706-94-001700	1706-94-001700	218W5	55 GALLON	25-OCT-96
	222S	1706-96-000010		218W5	85 GALLON	25-OCT-96
	222S	1706-96-000015		218W5	8*4*3.5	25-OCT-96
	222S	1706-96-000016		218W5	8*4*3.5	25-OCT-96
	222S	1706-96-000017		218W5	8*4*3.5	25-OCT-96
	222S	1706-96-000018		218W5	8*4*3.5	25-OCT-96
	222S	1706-96-000021		218W5	8*4*3.5	25-OCT-96
	222S	1706-96-000022		218W5	8*4*3.5	25-OCT-96
	222S	1706-96-000023		218W5	1.5*5	25-OCT-96
	222S	1706-96-000024		218W5	1.5*5	25-OCT-96
	222S	1706-96-000025		218W5	1.5*5	25-OCT-96
	222S	1706-96-000026		218W5	8*4*3.5	25-OCT-96
	222S	1706-96-000027		218W5	8*4*3.5	25-OCT-96
	222S	9400655	1706-94-000004	218W5	85 GALLON	25-OCT-96
	222S	9400658	1706-94-000003	218W5	85 GALLON	25-OCT-96

15 rows selected.

SWIR616 SOLID WASTE INFORMATION AND TRACKING SYSTEM 11/22/96
07:32
Page 1

RADIOACTIVE WASTE SHIPMENT PORTFOLIO TRAVELER
PORTFOLIO #: 28449
GENERATOR GROUP: 222S
LABPACK? N
TRU? N

Portfolio Comment	Res Date	Resolution
ONHOLD UNTIL THE WCS IS REVISED TO INCLUDE ION EXCHANGE COLUMNS & 85-GAL OVERPACK AS PART OF THE APPROVE PACKAGING.	10/09/96	WCS WAS REVISED TO ADDRESS ALL ISSUES MENTIONED ABOVE

DATA ENTRY REVIEW TO THOMPSON

PIN #	Code	Description	Res Date	Resolution
No Nonconformance Noted				

TECHNICAL REVIEW MF PASCUAL

PIN #	Code	Description	Res Date	Resolution
1706-94-001700	TS	ALL SWSDR RECORDS - CHANGE COMPANY NAME	10/08/96	COMPANY NAME SHOULD READ "RUST FEDERAL SERVICES OF HANFORD"
1706-96-000015	TS	CHANGES TO ITEM #36 & #37	10/09/96	ITEM #36: CHANGE TO READ "DS", ITEM #37: CHANGE TO READ "DM"
1706-96-000016	TS	CHANGES TO ITEM #36 & #37	10/09/96	ITEM #36: SHOULD READ "DS", ITEM #37: SHOULD READ "DM"
1706-96-000017	TS	CHANGES TO ITEM #36 & #37	10/09/96	ITEM #36: CHANGE TO READ "DS", ITEM #37: CHANGE TO READ "DM"
1706-96-000018	TS	CHANGES TO ITEM #36 & #37	10/09/96	ITEM #36: CHANGE TO READ "CE", ITEM #38: CHANGE TO READ "LM"
1706-96-000021	TS	CHANGES TO ITEM #36, #37	10/09/96	ITEM #36: CHANGE TO READ "CE", ITEM #37: CHANGE TO READ "LM"
1706-96-000022	TS	CHANGES TO ITEM #36 & #37	10/09/96	ITEM #36: CHANGE TO READ "CE", ITEM #37: CHANGE TO READ "LM"
1706-96-000026	TS	CHANGES TO ITEM #36 & #37	10/09/96	ITEM #36: CHANGE TO READ "CE", ITEM #37: CHANGE TO READ "LM"

OPERATIONS REVIEW CR STRUWE

PIN #	Code	Description	Res Date	Resolution
No Nonconformance Noted				

VERIFICATION

PIN #	Code	Description	Res Date	Resolution
No Nonconformance Noted				

RECEIPT

PIN #	Code	Description	Res Date	Resolution
No Nonconformance Noted				

Scheduling Comment	Res Date	Resolution

SOLID WASTE STORAGE/DISPOSAL RECORD

Page 1 of 2

STORAGE/DISPOSAL LOCATION INFORMATION

1. Area 200W	4. Module N/A	7. Beginning Coordinates	8. Ending Coordinates
2. Facility 218W5	5. Tier N/A	N 44920	N 44920
3. Unit TR29	6. Position N/A	W 78913	W 78909

I certify that a physical inspection of the waste package to the extent possible and a cross check of the applicable documentation have been performed in accordance with Solid Waste Operations Procedures.

9. Signature-Acceptance: R A Mordux — 10. Date: 10/25/96

11. Primary PIN (CIN): 1706-94-001700 — 12. Secondary PIN: 1706-94-001700

13. Waste Category: ■ Cat 1 ☐ Cat 3 ☐ > Cat 3 — 14. Classification: ■ LLW ☐ MW ☐ TRU ☐ TRU-M

15. Is Waste Classified? ☐ Yes ■ No	20. Container Type: GALVANIZED DRUM	25. Tare Wt. (kg): 28.58
16. Company: RUST FEDERAL SERVICES	21. LxWxH or DxL: 0.56m x 0.84m	26. Gen Group ID: 75755
17. Point of Origin: 1706-KE LAB	22. Cont. Vol. (m^3): 0.2	27. Contact: RODNEY O. BELL
18. Billing Code: YL7KE	23. Date Packaged: 3-7-94	28. Address: M0279 / 200W
19. WRM No.: N/A	24. Gross Wt. (kg): 73.84	29. Phone: 372-2769

I certify that, to the best of my knowledge, the information entered in this and any attached documentation is complete and accurate, and the waste package is in compliance with WHC-EP-0063 and the Indicated Waste Specification Record (WSRd).

30. Signature: RODNEY O. BELL Rodney O. Bell — 31. Date: 10-1-96

REFERENCES

32. WSRd No. 100-00	33. RSR No. 39337	34. DOE/NRC 741 No. N/A	35. PDR No. N/A

36. SWIMS Cat. NC	39. Seal No. N/A	TRU/TRU-M WASTE ONLY
37. WRAP Cat. SL	40. Dose Rate 45 mR At 1cM	42. Org. Mat. Vol. % N/A
38. Thermal Power 2.66E-08 W/m^3	41. DE Curies N/A	43. Org. Mat. Wt. (kg) N/A

44. FISSION/ACTIVATION NUCLIDES

Nuclide	Curies	Nuclide	Curies	Nuclide	Curies
Mn-54	1.22E-08				
Co-60	2.43E-08				
Sr-90	2.43E-07				
Cs-137	3.89E-07				
Eu-154	1.22E-08				
Eu-155	1.22E-08			45. TOTAL Curies	6.93E-07

46. TRU/FISSILE/SOURCE MATERIAL

Nuclide	Weight (g)	PE Ci	FGE	Alpha Ci	Nuclide	Weight (g)	PE Ci	FGE	Alpha Ci
Pu-239	3.73E-07	N/A	N/A	N/A					
Pu-240	5.36E-09								
Pu-241	4.61E-09								
Am-241	7.11E-09								

47. ^{239}Pu Dist. N/A % — 48. Neutron Dose N/A at — 49. TOTALS 3.90E-07

A-6001-680 (09/95)

SOLID WASTE STORAGE/DISPOSAL RECORD

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50. Primary PIN (CIN): 1706-94-001700

51. Secondary PIN: 1706-94-001700

52. WA State Waste Designation: ☐ DW ☐ EHW ■ N/A

53. Manifest No.: N/A

54. Manifest Date: N/A

55. Applicable Waste Codes: NONE

56. Is waste LDR? ☐ Yes ■ No

Is waste Debris? ☐ Yes ■ No

57. Waste Generating Description: LOW-LEVEL SOLID WASTE

WCS #: 100-00a, REV. 0

58. pH: N/A

59. Flashpoint: N/A

60. Estmated Liquid Volume (L): N/A

61. Article Description	62. Estimated Volume %	63. Estimated Wt. (kg)
METAL	5.0	2.0
NON-REGULATED RESINS - SOLID	76.0	32.68
BURLAP SACK	5.0	2.0
PLASTIC	2.0	0.2
90-MIL LINER	11.0	7.48
ANTICORROSIVE RAD PAD	1.0	0.1
64. TOTALS	100%	44.46

65. Hazardous Constituent	66. Weight %	67. Physical Properties
N/A	N/A	N/A

68. Comments: N/A

A-6001-680R (09/95)

WASTE INVENTORY SHEET

1. Signature verify container integrity: Rodney O. Bell

2. Page 1 of 1

3. Proj./WO No.	4. Bldg./Room No.	5. Facility	6. PIN	7. Container Type	8. SDAR No.	9. SWSDR	10. Compactible?
	1706-KE PAD	1706-KE	1706-[redacted]-94-001700	DOT 17-C 55GAL GALV.			☐ Yes ■ No

11. Name of Packager	12. Date	13. Article Description	14. State	15. Vol. %	16. Wt. (kg)	17. Radio-nuclide	18. Curie	19. Wt. (g)
~~3-7-94~~	3-7-94	AMERLITE IR 120 RESIN	S	38.0	16.34			
P. MACFARLAN		AMBERSEP 252 RESIN	S	38.0	16.34			
		*NON-REG RESINS						
		90 MIL LINER	S	11.0	7.48			
		ANTICORROSIVE RADPAD	S	1.0	0.1			
		BURLAP SACK	S	5.0	2.0			
		5 GAL PAIL (METAL)	S	5.0	2.0			
		PLASTIC BAGS	S	2.0	0.2			
		23. Page Totals		100	44.46			
		24. Total All Pages						

GROSS WT = 73.04 kg
CIN #: N/A

20. I believe that the submitted information is true, accurate and complete.

Rodney O. Bell
Signature of Person Sealing Container

Print Name: RODNEY O. BELL

Date: 9-12-96

21. Radiation Survey Information on Container:

Max Contact:
☐ <0.5 mR/hr or _____ mR/hr

at 3": ☐ <0.5 mR/hr or _____ mR/hr

Smearable Contamination:
☐ <2200 d/m/100 cm^2 β - γ
☐ <220 d/m/100 cm^2 α

Other: _____

Surveyed By: _____

Date: _____

22. VOLUME % COMPOSITION

___	% Paper	5	% Metal
___	% Rags	___	% Concrete
___	% Wood	___	% Glass
___	% Rubber	___	% Asorbent
2	% Plastic	___	% PCB
___	% Asbestos	___	% Dirt
___	% Oil	___	% Paint
76	% NON-REG RESIN (Specify)		

A-6001-696 (06/95)

TARE WT = 28.58 kg

SOLID WASTE STORAGE/DISPOSAL RECORD

Page 1 of 2

STORAGE/DISPOSAL LOCATION INFORMATION

1. Area: 200W	4. Module: N/A	7. Beginning Coordinates	8. Ending Coordinates
2. Facility: 218W5	5. Tier: N/A	N 44920	N 44920
3. Unit: TR-29	6. Position: N/A	W 78917	W 78909

I certify that a physical inspection of the waste package to the extent possible and a cross check of the applicable documentation have been performed in accordance with Solid Waste Operations Procedures.

9. Signature-Acceptance: R. A. Monluz — 10. Date: 10/25/96

11. Primary PIN (Cin): 1706-96-000016 — 12. Secondary PIN: N/A

13. Waste Category: [X] Cat 1 [ ] Cat 3 [ ] > Cat 3 — 14. Classification: [X] LLW [ ] MW [ ] TRU [ ] TRU-M

15. Is Waste Classified? [ ] Yes [X] No — 20. Container Type: Wood Box — 25. Tare Wt. (kg): 263

16. Company	RFSH	21. LxWxH or DxL	3.5' x 4' x 8'	26. Gen. Group ID	75755
17. Point of Origin	1706-KE Lab	22. Cont. Vol. (m^3)	3.2	27. Contact	Rodney O. Bell
18. Billing Code	YL7KE	23. Date Packaged	9-10-96	28. Address	MO279/200 W
19. WRM No.	N/A	24. Gross Wt. (kg)	907.00	29. Phone	372-2769

I certify that, to the best of my knowledge, the information entered in this and any attached documentation is complete and accurate, and the waste package is in compliance with WHC-EP-0063 and the indicated Waste Specification Record (WSRd).

30. Signature: Rodney O. Bell — Rodney O. Bell — 10. Date: 10-1-96

REFERENCES

32. WSRd No. 100-00	33. RSR No. 37596	34. DOE/NRC 741 No. N/A	35. PDR No. N/A

36. SWIMS Cat. DS	39. Seal No. N/A	TRU/TRU-M WASTE ONLY
37. WRAP Cat. DM	40. Dose Rate 6 mR at 1 cm	42. Org. Mat. Vol. % N/A
38. Thermal Power 5.91E-08 W/m^3	41. DE Curies N/A	43. Org. Mat. Wt. (kg) N/A

44. FISSION/ACTIVATION NUCLIDES

Nuclide	Curies	Nuclide	Curies	Nuclide	Curies
Mn-54	3.25E-09	Co-57	9.68E-06		
Co-60	1.02E-05	Ba-133	9.96E-06		
Sr-90	2.72E-07	Eu-152	3.50E-07		
Cs-137	1.58E-07				
Eu-154	3.25E-09				
Eu-155	3.25E-09			45. Total Curies	3.06E-05

46. TRU/FISSILE/SOURCE MATERIAL

Nuclide	Weight (g)	PE Ci	FGE	Alpha Ci	Nuclide	Weight (g)	PE Ci	FGE	Alpha Ci
Pu-239	9.94E-08	N/A	N/A	N/A					
Pu-240	1.43E-09								
Pu-241	1.23E-09								
Am-241	1.90E-09								

47. Pu-239 Dist. N/A %	48. Neutron Dose N/A at	49. Totals	1.04E-07		

A-6001-680 (01/96)

SOLID WASTE STORAGE DISPOSAL RECORD

50. Primary PIN (CIN): 1706-96-000016

51. Secondary PIN: N/A

52. WA State Waste Designation: ☐ DW ☐ RHW ☒ N/A

53. Manifest No.: N/A

54. Manifest Date: N/A

55. Applicable Waste Codes: None

56. Is Waste LDR? ☐ Yes ☒ No

Is Waste Debris? ☐ Yes ☒ No

57. Waste Generating Description: Low-Level Solid Waste
WCS #: 100-00a, Rev 0

58. pH: N/A

59. Flashpoint: N/A

60. Estimated Liquid Volume (L): N/A

61. Article Description	62. Estimated Volume %	63. Estimated Wt. (kg)
Non-Regulated Solid (Resin)	2.00	15.00
Metal	30.00	120.00
Plastic	31.00	162.00
Paper	5.00	50.00
Rubber	5.00	50.00
Filler (Cleanup IV)	8.00	130.00
Filler (Pyrofoam)	12.00	87.00
Liner 10-mil Plastic Reinforced	2.00	10.00
Glass	5.00	20.00
64. TOTALS	100 %	644.00

65. Hazardous Constituents	66. Weight %	67. Physical Properties
N/A	N/A	N/A

68. Comments: N/A

WASTE INVENTORY SHEET

1. Signature verify container integrity: Rodney O. Bell

2. Page 1 of 1

3. Proj/WO No.	4. Bldg./Room No.	5. Facility	6. PIN	7. Container Type	8. ~~CDAR No.~~	9. SWSDR	10. Compactible?
	-27' HOT LAB	1706-KE	1706-96-000016	WOOD BOX	100-00		☐ Yes ☒ No

11. Name of Packager	12. Date	13. Article Description	14. State	15. Vol. %	16. Wt. (kg)	17. Radio-nuclide	18. Curie	19. Wt. (g)
RODNEY BELL	9-10-96	NON-REGULATED SOLID (RESIN)	S	2	15			
		METAL	S	30	120			
		PLASTIC	S	31	162			
		PAPER	S	5	50			
		RUBBER	S	5	50			
		FILLER (CLEANUP IV)	S	8	130			
		FILLER (PYROFOAM)	S	12	87			
		LINER (10-MIL)	S	2	10			
		GLASS	S	5	20			
		23. Page Totals		100	644			
		24. Total All Pages						

GROSS WT = 907.0 kg

CIN #: N/A

20. I believe that the submitted information is true, accurate and complete.

Signature of Person Sealing Container: Rodney O. Bell

Print Name: RODNEY O. BELL

Date: 9-23-96

21. Radiation Survey Information on Container:

Max Contact: ☐ <0.5 mR/hr or _____ mR/hr

at 3": ☐ <0.5 mR/hr or _____ mR/hr

Smearable Contamination:

☐ <2200 d/m/100 cm^2 β - γ

☐ <220 d/m/100 cm^2 α

Other: _____

Surveyed By: _____

Date: _____

22. VOLUME % COMPOSITION

____ % Paper	____ % Metal
____ % Rags	____ % Concrete
____ % Wood	____ % Glass
____ % Rubber	____ % Absorbent
____ % Plastic	____ % PCB
____ % Asbestos	____ % Dirt
____ % Oil	____ % Paint
____ % _____ (Specify)	

A-6001-696 (06/95)

TARE WT = 263 kg