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March 19, 1991  
Final

Unit Managers Meeting  
Nonradioactive Dangerous Waste Landfill Closure Plan  
Federal Building, Room G-55  
Richland, Washington  
Meeting Held February 14, 1991

Appvl. Clifford E. Clark Date: March 20, 1991  
Clifford E. Clark, Unit Manager, DOE-RL

Appvl. Paul Stasch Date: March 20 1991  
Paul Stasch, Unit Manager, Ecology

Appvl. Not Present Date: \_\_\_\_\_  
~~Fred Ruck III~~, Contractor Representative, WHC

Appvl. Mike Mihalic Date: 3.20.91  
Mike Mihalic, Contractor Representative, WHC

- Attachment # 1 - Summary of Discussion
- Attachment # 2 - Attendance
- Attachment # 3 - Agenda
- Attachment # 4 - Commitments/Agreements Status
- Attachment # 5 - Chemical Waste Inventories for Nonradioactive Dangerous Waste Landfill Trench 19N (Draft)



Attachment #1

Nonradioactive Dangerous Waste Landfill Closure Plan  
Unit Managers Meeting  
Washington Department of Ecology Office  
Kennewick, Washington  
February 14, 1991

Summary of Discussion and Comments

- o A draft table was presented by WHC (C. Wittreich) to explain chemical waste inventories for Trench 19N. (See Attachment 5) The purpose of the table was to aid in understanding the differences between various inventories previously provided. The main points outlined in the table were explained and discussed with Ecology (P. Stasch).
- o Discussion of closure costs were postponed until they have been reviewed within DOE.
- o Copies of the Internal Shipping Documents were presented and discussed.
- o A WHC report on Trench 19 was postponed until the next UMM.
- o The next NRDWL Unit Managers Meeting is to be held on March 20, 1991 at 9 a.m. in the Ecology Office, Kennewick, Washington.

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Attachment #2

NRDWL Unit Managers Meeting  
February 14, 1991

Attendance

<u>Name</u>	<u>Organization</u>	<u>Phone</u>
Bill Cox	WHC	509-376-1978
John Steude	SWEC	509-376-8205
Doral J. Hoff	WHC	509-376-2606
Joe King	SWEC	509-376-4726
W. A. Skelly	WHC	509-376-5439
Paul Stasch	Ecology	206-459-6725
Sandy Trine	DOE	509-376-6943
Curt Wittreich	WHC	509-376-1862
Paul Pak	DOE	509-376-4798
Mike Mihalic	WHC	509-376-0967
Matt LaBarge	WHC	509-376-0842

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**AGENDA**

**NRDWL UNIT MANAGERS MEETING**

February 14, 1991

Ecology Office  
Kennewick, Washington

**9:00 a.m. - 12:00 p.m.**

**A. NONRADIOACTIVE DANGEROUS WASTE LANDFILL CLOSURE PLAN**

- Discussion of Inventory Inconsistencies/Differences
- Report on Methods and Related Information Regarding 19N Trench Excavation
- Cost Closure Estimates
- Presentation of Internal Shipping Documents
- New Business

9 | 1 | 2 | 1 | 9 | 1 | 1 | 6 | 7 | 5

Attachment #4

NRDWL Unit Managers Meeting  
Commitments/Agreements Status List

February 14, 1991

1-15-90:1 WHC will make two complete sets of internal shipping documents. One of these will be supplied to DOE-RL and one will be supplied to Ecology. WHC will investigate the possibility of microfiching these internal shipping documents at the time they are being copied.

OPEN (2-14-91)

1-15-91:2 WHC will supply Ecology with a letter report describing the excavation methods utilized during the excavation of trench 19N. This report will include any information pertaining to evidence of soil contamination and/or drum leakage noted during the excavation.

OPEN (2-14-91)

1-15-91:3 Ecology will supply DOE/WHC with a list of discrepancies between the 1985 and the 1990 waste inventories. Upon receipt of the list, WHC will expeditiously prepare a response.

CLOSED (2-14-91)

1-15-91:4 The agenda for the next Unit Managers Meeting will be distributed by February 1st, 1991. Action Fred Ruck.

CLOSED (2-14-91)

Attachment #5

NRDWL Unit Managers Meeting  
February 14, 1991

Chemical Waste Inventories for  
Nonradioactive Waste Landfill Trench 19

Draft

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TABLE 1. CHEMICAL WASTE INVENTORIES FOR NONRADIOACTIVE DANGEROUS WASTE LANDFILL TRENCH 19N

1985 Part B Permit Application Inventory (Appendix D-1)			Disposal Request #	Comments/Disposition	1990 Closure/PostClosure Plan (DOE/RL-90-17)	
Date	Quantity	Chemical			Pre-Excavation Inventory (Appendix 4C)	Post-Excavation Inventory (Appendix 4A)
04-17-84	10 gal 20 gal 55 gal 55 gal 55 gal 30 gal 5 gal 5 gal 5 gal	Ferric nitrate Lithium nitrate Ferric phosphate Neodymium nitrate Aluminum nitrate Rare earth nitrate Magnesium nitrate Kesel Manganese nitrate	5-17	<ul style="list-style-type: none"> <li>•Original record indicates that all containers were empty</li> <li>•Empty containers were transferred to SWL</li> </ul>	•Deleted	•Deleted
06-13-84	2 lb 20 lb	Sodium nitrate Sodium nitrate	9-33	<ul style="list-style-type: none"> <li>•Original record indicates that the total quantity should read 20 lbs not 22 lbs</li> <li>•Returned to Trench 19N following excavation</li> </ul>	•Included	•Included
07-05-84	100 lb 25 lb 13 gal 225 lb	Versene EDTA Thiourea Ethylene glycol Ammonium persulfate	9-41	<ul style="list-style-type: none"> <li>•Not found during excavation of Trench 19N</li> <li>•Assumed to be disposed of in corrosive Trench 28</li> </ul>	•Deleted	•Deleted, but not added to Trench 28 inventory
07-19-84	18 drums 10 drums	Sodium nitrite Nickel, hydrated	6-9	<ul style="list-style-type: none"> <li>•18 drums sodium nitrite transferred to 2727S</li> <li>•1 drum nickel transferred to 2727S; 9 other drums nickel were not found during excavation of Trench 19N</li> <li>•Assumed that 9 drums nickel are disposed of in corrosive Trench 28</li> </ul>	•Included; however quantity is incorrect	•Deleted and added to Trench 28 inventory, but quantity is incorrect
09-05-84	400 lb	Metal alloy - 40% Al and 60% Ca	10-9	<ul style="list-style-type: none"> <li>•Not found during excavation of Trench 19N</li> <li>•Assumed to be disposed of in corrosive Trench 28</li> </ul>	•Deleted	•deleted, but not added to Trench 28 inventory
09-24-84	10 gal	Diocetyl sebacate	10-43	<ul style="list-style-type: none"> <li>•Nonregulated Waste</li> <li>•Not found during excavation of Trench 19N</li> </ul>	•Deleted	•Deleted
11-09-84	75 gal	Paint related material	11-39B	<ul style="list-style-type: none"> <li>•Original record indicates that waste was actually placed in corrosive Trench 28</li> </ul>	•Deleted	•Deleted, but not added to Trench 28 inventory

Attachment #5

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TABLE 1. CHEMICAL WASTE INVENTORIES FOR NONRADIOACTIVE DANGEROUS WASTE LANDFILL TRENCH 19N

1985 Part B Permit Application Inventory (Appendix D-1)			Disposal Request #	Comments/Disposition	1990 Closure/PostClosure Plan (DOE/RL-90-17)	
Date	Quantity	Chemical			Pre-Excavation Inventory (Appendix 4C)	Post-Excavation Inventory (Appendix 4A)
12-05-84	1 lb 1 lb 1 lb 5 lb 1 pt 1 pt 1 qt 1 gal 1 lb 1 lb 1 qt 2 qt	Potassium permanganate Sodium nitrate Sodium chromate Sodium hydroxide Ethyl acetate Methanol Isopropanol Naphtha Ammonium nitrate Ammonium chloride Ammonium hydroxide Ammonium oxalate	12-158	•Returned to Trench 19N following excavation	•Included	•Included; however several additional chemicals were mistakenly added
12-20-84	69 mL 230 mL	Refill CQC for Fyrite Oxygen Indicator Methanol	10-23	•Original record indicates that waste was actually placed in corrosive Trench 28	•Deleted	•Deleted, but not added to Trench 28 inventory
01-11-85	13 drums	Salt cake	5-31	•Not found during excavation of Trench 19N •Assumed to be disposed of in corrosive Trench 26; however, corrosive Trench 28 may have been used, because it was also open during this period	•Included, but should have been deleted	•Deleted and added to Trench 26 inventory
05-14-85	3 drums 1 drum	Calcium nitrate Sodium nitrate	7-23	•Returned to Trench 19N following excavation	•Included	•Included

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Distribution:

M. R. Adams	WHC H4-55
G. B. Becker	WHC R3-28
L. C. Brown	WHC H4-51
R. A. Carlson	WHC H4-55
C. E. Clark	DOE A5-19
W. G. Cox	WHC H4-57
B. G. Erlandson	WHC B2-19
C. J. Geier	WHC H4-57
F. N. Hodges	WHC H4-56
D. J. Hoff	WHC H4-57
J. D. King	SWEC A4-35
T. J. Knepp	WHC H4-56
M. J. La Barge	WHC B2-19
M. A. Mihalic	WHC L4-88
P. M. Pak	DOE A5-19
L. L. Powers	WHC B2-35
F. A. Ruck III	WHC H4-57
W. A. Skelly	WHC H4-55
S. L. Trine	DOE A5-19
T. B. Veneziano	WHC B2-35
B. D. Williamson	WHC B3-15
C. D. Wittreich	WHC H4-55
J. F. Woods	WHC G4-07
Paul Stasch	Ecology

Bob King Ecology

ADMINISTRATIVE RECORD (Nonradioactive Dangerous Waste Landfill Closure Plan, LERF) [Care of Susan Wray, WHC (H4-22)]

Washington State Department of Ecology Nuclear and Mixed Waste Library, PV-11

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