

START

August 15, 1990

Meeting Minutes Transmittal/Approval
Unit Managers Meeting: 100-NR-1/NR-3 Operable Units
450 Hills Street, Room 47, Richland, WA
July 18, 1990

From/ Appvl.: _____ Date: _____
Paul M. Pak, 100-NR-1 Unit Manager, DOE-RL (A6-95)

Appvl.: _____ Date: _____
K. Michael Thompson, 100-NR-3 Unit Manager, DOE-RL (A6-95)

Appvl.: Douglas R. Sheppard Date: 8/16/90
Paul Day, 100-NR-1/NR-3 Unit Manager, EPA (B5-01)

Appvl.: L. Goldstein Date: 8/16/90
Larry Goldstein, 100-NR-1 Unit Manager, WA Department of Ecology

Appvl.: Charles S. Cline Date: 8/16/90
Charles S. Cline, 100-NR-3 Unit Manager, WA Department of Ecology

Meeting Minutes are attached. Minutes are comprised of the following:

- Attachment #1 - Meeting Summary/Summary of Commitments and Agreements
- Attachment #2 - Attendance List
- Attachment #3 - Action Items Status List
- Attachment #4 - Outline of the Presentation on Groundwater Flow and Contaminant Transport from the 100-N Liquid Waste Disposal Facilities

Prepared by: Doug Frasset Date: 8/16/90
SWEC Support Services

Concurrence by: [Signature] Date: 9/16/90
WHC NR-1, RI Coordinator

[Signature] Date: 8/16/90
WHC NR-3, RI Coordinator

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Attachment #1

Meeting Summary and Summary of Commitments and Agreements
100-NR-1/NR-3 Operable Units Managers Meeting
450 Hills Street, Room 47
July 18, 1990

1. Gerry Hunacek said it is *believed* that only radioactive waste is present in the 1301 N and 1325 units. There is no analytical evidence of chemical waste yet.
2. The current flow rate of waste into the 1324 N and 1324 NA units is zero.
3. Twelve automatic well monitors are operable to monitor the effect of river levels.
4. The work plans for NR-1 and NR-3 will be sent to WHC on Friday (7/20/90) and to EPA, Ecology and DOE-RL on September 28.
5. *According to Jerry Davis of WHC, it is believed that groundwater mounding is rapidly dissipating due to cessation of discharge. This was supported by potentiometric surface charts that were developed with data from monitor wells.*
6. Mike Connelly explained the conceptual model. PORFLOW-3 software was used to model groundwater flow.
7. The van Genuchten model was used due to the large amount of artificial recharge from trenches. 5 mm. of natural recharge was assumed. A WHC draft is expected at the end of September. Uncertainties are the value of K(d), the grid size and river fluctuation. However, the effect of recovery wells could be simulated. The information will be given to the workplan authors soon for inclusion in the NR-1 and NR-3 workplans. This will help to focus the data gathering efforts.

The ground water flow simulation on PORFLOW-3 has not yet been validated. Therefore, only an outline of the presentation is included as Attachment #4.

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Attachment #2

Attendance List
 100-NR-1/NR-3 Unit Managers Meeting
 July 18, 1990

Name	Organization	100-NR-1 Responsibility	Phone
D. Einan	EPA		509-376-3883
C.S. Cline	Ecology	NR-3 Unit Mgr	206-438-7556
S. Cross	Ecology		206-459-6675
K. Taylor	DOE-RL		509-376-7277
P. Pak	DOE-RL	Unit Manager	509-376-4789
J. Burger	SWEC	GSSC	509-376-3502
D. Fassett	SWEC	GSSC	509-376-9969
W. Staubitz	USGS	EPA Consultant	206-593-6510
B. Drost	USGS	EPA Consultant	206-593-6510
D. Lacombe	PRC	EPA Consultant	206-624-2692
R. Julian	WHC	NR-1 Coord.	509-376-2539
A. Krug	WHC	Unit Manager	509-376-5634
B. Green	WHC	NR-3 Coord	509-376-3886
J. Patterson	WHC	ER Program	509-376-0568
J. Sonnichsen	WHC	Support	509-376-9956
J. Davis	WHC	Support	509-376-8919
S. Weiss	WHC	100-DR-1	509-376-1683
D. Watson	WHC	100-NR	509-373-3250
M. Connelly	WHC	Support	509-376-6869
G. Buhr	ATK	NR-1/NR-3 Mgr	415-598-9390

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Attachment #3

Commitments/Agreements Status List
100-NR-1/NR-3 Unit Managers Meeting
July 18, 1990

Item No.	Action	Status
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There are no Action Items that are currently outstanding.

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Westinghouse Hanford Company

Groundwater Flow And Contaminant Transport From The 100-N Liquid Waste Disposal Facilities

-- An Analysis Using PORFLO-3© Software --

G. S. Hunacek

Environmental Safety -- N Reactor

**J. D. Davis
M. P. Connelly**

Environmental Technology Group

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CONTENTS OF DRAFT PRESENTATION

THE PRESENTATION CONSISTED OF RAW DATA THAT HAD NOT BEEN REVIEWED OR VERIFIED, THEREFORE NO HARD COPY MATERIAL IS AVAILABLE. THE PUBLISHED VERSION WILL BE AVAILABLE IN THE 1ST QUARTER OF FY 1991.

- o HISTORICAL INFORMATION CONSISTING OF DATES, SIZE, AND OPERATION INVENTORIES OF THE THREE LIQUID WASTE DISPOSAL FACILITIES (1324-N/NA, 1301-N, AND 1325-N).
- o ESTIMATES OF WASTE CHARACTERISTICS DISPOSED OF IN THE FACILITIES.
- o HISTORICAL INFORMATION ON WATER TABLES IN THE AREA OF THE FACILITIES.
- o CONCEPTUAL MODEL FOR THE NUMERICAL SIMULATION OF THE VADOSE AND UNCONFINED AQUIFER GROUNDWATER IN THE 100-N AREA.
- o ASSUMPTIONS USED IN THE SIMULATION, INCLUDING HYDROLOGIC PARAMETERS, WETTING CURVES, MOISTURE CHARACTERISTICS, CONTAMINANT TRANSPORT PARAMETERS, AVERAGE FLOWS AND CONCENTRATIONS, AND RIVER LEVELS.
- o PROJECTIONS THROUGH THE YEAR 2020 OF SR-90 TRANSPORT AND CONCENTRATION IN THE UNCONFINED AQUIFER.

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[11] From: Robert J Julian at -WHC68 7/19/90 1:41PM (1149 bytes: 1 fl)
To: Doug Fassett at -SWE0
Receipt Requested
Subject: HANDOUTS

----- Message Contents -----

File item 1: UMMVUG 7/19/90 12:59PM

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Distribution:

Ward Staubitz, USGS
Donna Lacombe, PRC
Doug Fassett SWEC (A4-35)
Jack Waite, WHC (B2-35)
Bob Julian, WHC (H4-55)
Tom Wintczak, WHC (B2-15)
Mel Adams, WHC (H4-55)
Michael Neely, PNL (K6-96)
Roy Gephart, PNL (K6-97)
Brian Sprouse, WHC (H4-22)
Diane Clark, DOE-RL (A5-55)
Mary Harmon, DOE-HQ (EM-442)
Bill Price, WHC (S0-03)
Don Kane, Battelle EMO (K1-74)
Bill Green, WHC (H4-55)
Charles Cline, Ecology

Ronald D. Izatt (A6-95)
Director, DOE-RL, ERD
Ronald E. Gerton
Director, DOE-RL, WMD

Roger D. Freeberg (A6-95)
Chief, Rstr. Br., DOE-RL/ERD
Steven H. Wisness
Tri-Party Agreement Proj. Mgr.
Richard D. Wojtasek (B2-15)
Prgm. Mgr. WHC

Jim Patterson, WHC
Doug Sherwood, EPA (B5-01)
Larry Goldstein, Ecology

ADMINISTRATIVE RECORDS: 100-NR-1, 100-NR-3; Care of Susan Wray, WHC (H4-51C)

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