

March 19, 1990

Meeting Minutes Transmittal/Approval

Unit Managers Meeting: 1100-EM-1 Operable Unit

450 Hills Street, Room 47, Richland, WA

February 15, 1990

START

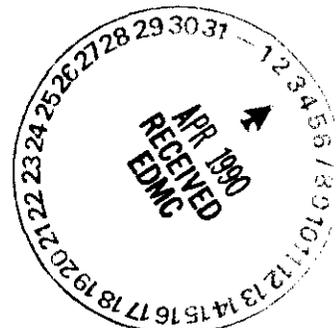
From/ Appvl. Robert K Stewart Date: 3/20/90
Robert K. Stewart, 1100-EM-1 Unit Manager, DOE-RL (A6-95)

Appvl.: David R. Egan Date: 21 Mar 90
David R. Egan, 1100-EM-1 Unit Manager, EPA (A7-70)

Appvl.: Larry Goldstein Date: 3/21/90
Larry Goldstein, 1100-EM-1 Unit Manager, WA Department of Ecology

<p>To: Chuck Cline, WDOE Ward Staubitz, USGS Mike Thompson, DOE-RL (A6-95) Jerry Chiaramonte, SWEC/IT (A4-35) Jack Waite, WHC (B2-35) Tom Wintczak, WHC (B2-15) Mel Adams, WHC (H4-55) Rick McCain, WHC (H4-55) Roy Gephart, PNL (K6-97) Brian Sprouse, WHC (H4-22) Diane Clark, DOE-RL (A5-55) Bill Price, WHC (S0-03) Steven Clark, WHC (H4-55) Don Kane, Battelle EMO (K1-74) Donna Lacombe, PRC Doug Sherwood, EPA Jim Patterson, WHC ADMINISTRATIVE RECORD (1100-EM-1) [Care of Susan Wray, WHC (H4-51C)]</p>	<p>cc. 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</p>
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- Meeting Minutes are attached. Minutes are comprised of the following:
- Attachment #1 - Meeting Summary/Summary of Commitments and Agreements;
 - Attachment #2 - Stated Schedule;
 - Attachment #3 - Agenda for the Meeting;
 - Attachment #4 - Attendance List;
 - Attachment #5 - Operable Unit Commitments/Agreements Status List;
 - Attachment #6 - Work Progress
 - Attachment #7 - Request of groundwater information from ANF



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Attachment #1

**Meeting Summary and Summary of Commitments and Agreements
1100-EM-1 Operable Unit Managers Meeting
450 Hills Street, Room 47
February 15, 1990**

1. Status of Action Items from the January UM meeting was given by Steve Clark. Status is shown in Attachment #5.
2. Work Progress - Work progress is given in Attachment #6. Included are tables which show the current status of drilling and sampling activities. Preliminary results of air sampling for VOCs was discussed. Detectable concentrations were found upwind and downwind from the landfill, but concentrations were much lower than ambient air standards. Preliminary results of water samples taken from the bottom of the vadose holes around the landfill was discussed. Results showed a range of TCE and acetone concentrations.

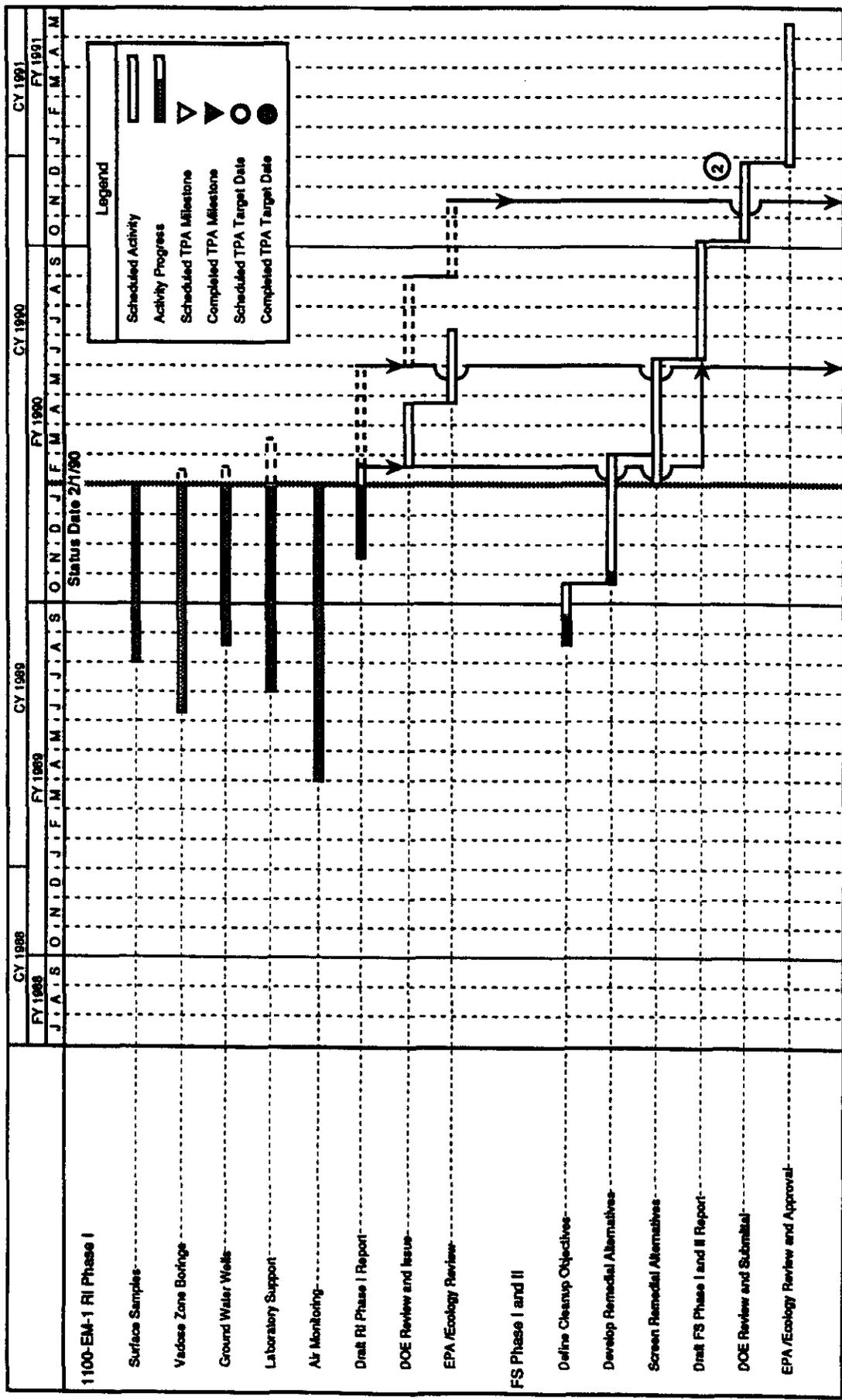
Action #11EM1.33: WHC is to transmit copies of well logs and well completion diagrams for all 1100-EM-1 wells as soon as the wells have been surveyed. The copies are to be transmitted to Ward Staubitz and Chuck Cline by the next UMM. Action: Steve Clark
3. Schedule status - The stasured schedule is shown in Attachment #2. Although the schedule is tight, WHC continues to strive for meeting the target date of June 1 for issuance of the Phase 1 RI report.

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Attachment #2

1100-EM-1 REMEDIAL INVESTIGATION /
FEASIBILITY STUDY WORK SCHEDULE



Attachment #3

1100-EM-1 Unit Manager's Meeting Agenda
February 15, 1990
2:00 - 3:00 PM
Room 47, 450 Hills St.

1. Introduction
2. Action Items Status
3. Work Progress
 - o Vadose Zone Boreholes
 - o Groundwater Monitoring Wells
 - o Surface Sampling
 - o Development of RI Phase 1 and FS Phase 1 & 2 Reports
4. Schedule
5. Issues
 - o Documentation of Data Discrepancies
6. Other Topics (as required)
7. Summary of Agreements and Commitments

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Attachment #4

Attendance List
 1100-EM-1 Unit Managers Meeting
 February 15, 1990

Name	Organization	1100-EM-1 Responsibility	Phone
D. Einan	EPA	Unit Manager	509-376-3883
R.K. Stewart	DOE-RL	Unit Manager	509-376-6192
L. Goldstein	WDOE	Unit Manager	206-438-7018
G.R. Chiaramonte	SWEC/IT	GSSC for DOE/RL	509-376-7829
D.A. Myers	SWEC/IT	GSSC for DOE/RL	509-376-0969
C.S. Cline	WDOE	Hydrogeologist	206-438-7556
S.W. Clark	WHC	RI Coordinator	509-376-1513
M. Lauterbach	WHC	EE&T Group	509-376-5257
J. Patterson	WHC		509-376-0568
B. Wright	Golder		206-883-0777
R. Presentin	DOE-RL		509-376-5983
J. Lindberg	WHC	Envir. Engineering	509-376-5005
W. Staubitz	USGS	EPA Consultant	206-593-6510
Gordon Ballentine	PRC	EPA Consultant	415-543-4880
S. Ashworth	ES		509-943-0909
R.G. Diffenbacher	WHC	QA	509-376-8383

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Attachment #5

Commitments/Agreements Status List

1100-EM-1 Operable Unit

February 15, 1990

Item No.	Action	Status
11EM1.23	WHC (S. Clark) is to review comments by EPA on strategy for documentation of data discrepancies and respond by proposing procedures for resolving discrepancies in the data.	Open Procedure given to EPA/Ecology on 2/15. Comments to be returned by March UMM.
11EM1.31	WHC and DOE are to jointly pursue obtaining additional information from ANF. Action: Bob Stewart and Merl Lauterbach	Open List of items and actions presented at 2/15 UMM (See Attachment #7). Meeting with ANF to be held by the March UMM.
11EM1.32	WHC is to investigate options for work plan change control. The issue will be on the agenda for the February General Topics UM Meeting.	Open Has been identified for the February PM meeting. Progress to be reported at the March UMM.

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Attachment #6

Work Progress

1100-EM-1 Operable Unit

February 15, 1990

- o Vadose Zone Boreholes
 - Data validation complete for analyses from 12 boreholes.
 - Drilling of vadose zone boreholes was completed on February 12, 1990.
- o Groundwater Monitoring Wells
 - Out of 17 groundwater monitoring wells listed in the Work Plan, 15 have been drilled, one is being drilled, and one is proposed to be deleted.
 - Eight groundwater monitoring wells are complete in areas adjacent to the Horn Rapids Landfill.
 - Five groundwater monitoring wells have been completed in areas adjacent to the 1100-2 and 1100-3 disposal pits.
 - Three groundwater monitoring wells have been drilled in the area of the 1171 Building and one is being drilled.
- o Surface Sampling
 - Data validation complete for analyses of samples from "Discolored Soils Site", 1100-2 and 1100-3 Disposal Pits.
 - Data validation is complete for reconnaissance samples from the Horn Rapids Landfill.
- o Development of RI Phase 1 and FS Phase 1 & 2 Reports
 - Data is being evaluated for risk assessment.
 - Schedule has been updated and integrated into the baseline schedule from the Work Plan.
 - Sections of the RI Phase 1 report are being written and reviewed internally.
- o Schedule

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1100-EM-1 Operable Unit

**DRILLING OF VADOSE ZONE BOREHOLES
AND GROUNDWATER MONITORING WELLS**

Status Date: 2/15/90

Site-by-Site Summary:

<u>Site</u>	<u>Vadose Zone Boreholes</u>		<u>Groundwater Monitoring Wells</u>		<u>Comments</u>
	<u>Drilled</u>	<u>Remain</u>	<u>Drilled</u>	<u>Remain</u>	
Battery Acid Pit	2	-	2	-	Shallow Pb & Acetone
Antifreeze Tank Site	2	-	-	1	Volatile Organics
1100-2 Disposal Pit	4	-	2	-	Bis(2-ethylhexyl)phthalate Volatile Organics Insecticides
1100-3 Disposal Pit	5	-	3	-	Bis(2-ethylhexyl)phthalate Volatile Organics
Horn Rapids Landfill	10	-	8	-	Volatile Organics
TOTALS	23	-	15	1	

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1100-EM-1 Operable Unit
VADOSE ZONE BOREHOLE SAMPLES

Status Date: 2/14/90

Status of Samples:

<u>Site</u>	<u>Boreholes</u>		<u>Data Sets</u>	
	<u>Drilled</u>	<u>Remaining</u>	<u>Assayed</u>	<u>Validated</u>
Battery Acid Pit	2	-	2	2
Antifreeze Tank Site	2	-	1	1
1100-2 Disposal Pit	4	-	4	4
1100-3 Disposal Pit	5	-	5	5
Horn Rapids Landfill	10	-	3	1
TOTALS	23	-	14	12

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1100-EM-1 Operable Unit
GROUNDWATER MONITORING SAMPLES

Status Date: 2/14/90

Status of Samples:

<u>Site</u>	<u>Monitoring Wells</u>		<u>Water Samples</u>	
	<u>Sampled</u>	<u>Remaining</u>	<u>Assayed</u>	<u>Validated</u>
1171 Building	2	1	-	-
1100-2 Pit	2	-	-	-
1100-3 Pit	3	-	-	-
Horn Rapids Landfill	7	1	-	-
Background Wells	2	4	-	-
TOTALS	16	6	-	-

167049 / 1100

Attachment #7

DON'T SAY IT -- WRITE IT!

TO: J. W. Lindberg

DATE: February 15, 1990

FROM: S. W. Clark

SUBJECT: REQUESTING GROUNDWATER WELL INFORMATION FROM ANF

Following is a list of the information and actions we need from Advanced Nuclear Fuels (ANF) regarding their groundwater monitoring wells. This information and action is necessary to quantify the groundwater gradient in the vicinity of the Horn Rapids Landfill and to determine the extent of possible contamination in the area.

Needed from Advanced Nuclear Fuels:

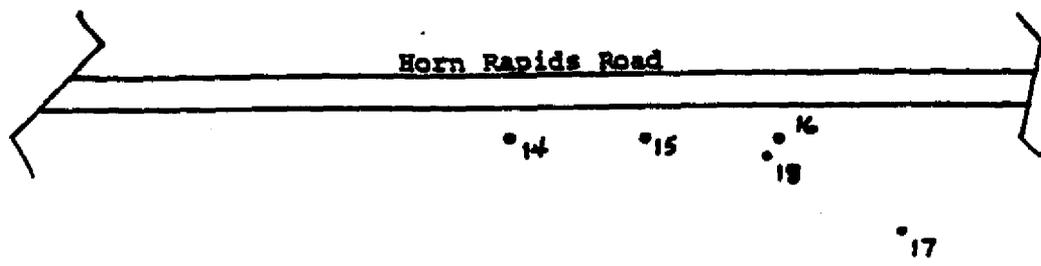
I. For all ANF groundwater monitoring wells:

1. Complete well logs.
2. Survey coordinates of wells and well head elevations.
3. Water elevations concurrent with measurements at WHC wells in the Horn Rapids Landfill (March 1, 1990).
4. Aquifer testing results and results of physical testing of soils (if available).

II. Samples of groundwater to submit for CLP analyses are needed from the following wells:

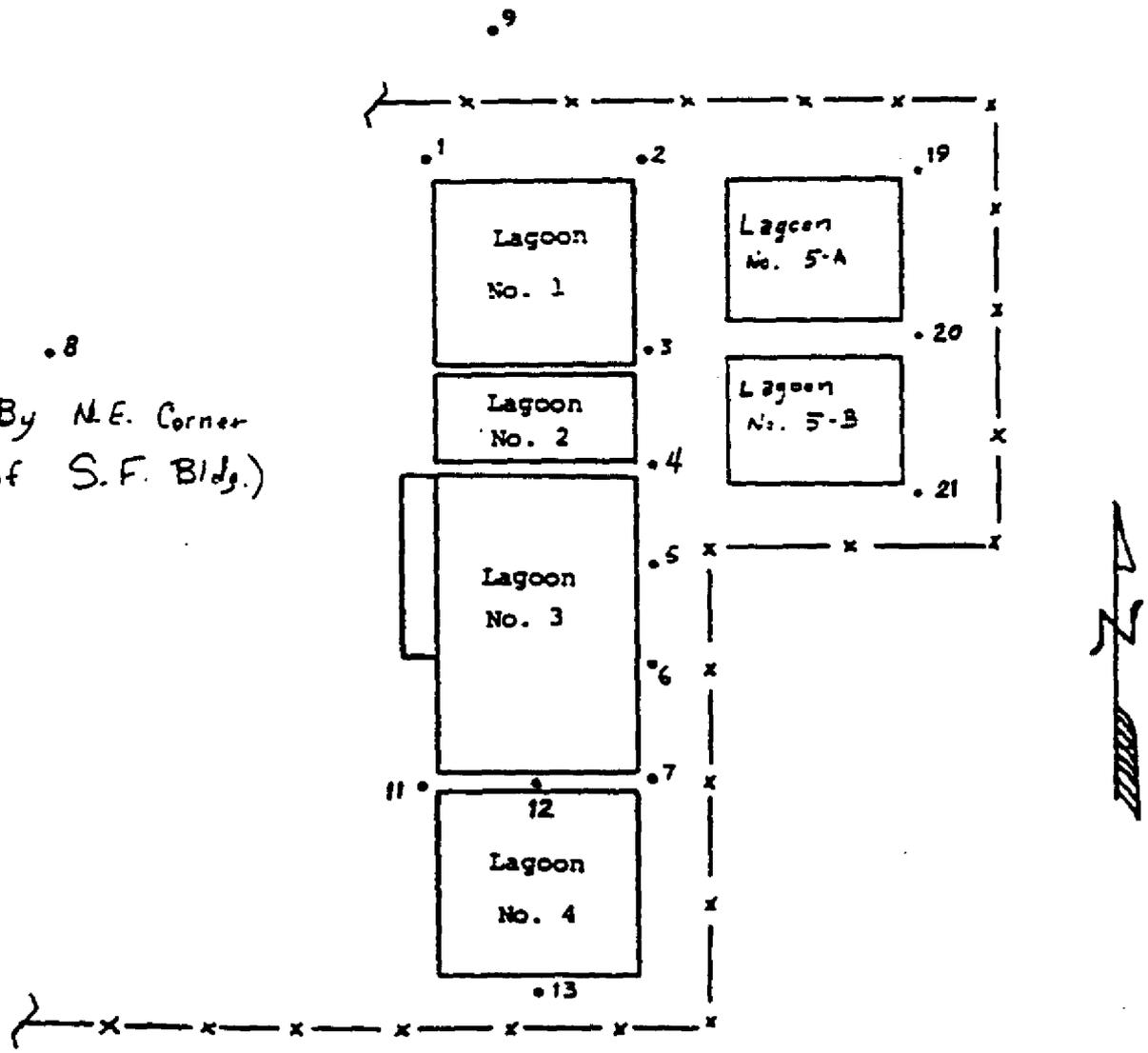
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(By N.E. Corner
of S.F. Bldg.)



Lagoon Test Well Locations