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Final

Meeting Minutes Transmittal/Approval
Unit Manager's Meeting: 200 Aggregate Area/200 Area Operable Units
740 Stevens Center, Room 1200, Richland, Washington
November 17, 1993

FROM/APPROVAL: Paul M. Pak Date 2/20/94
Paul M. Pak, 200 Aggregate Area Unit Manager, RL (A5-19)

APPROVAL: Paul R. Beaver Date 2/24/94
Paul R. Beaver, 200 Aggregate Area Unit Manager, EPA (B5-01)

APPROVAL: Dib Goswami Date 3/17/94
Dib Goswami, 200 Aggregate Area Unit Manager, WA Dept of Ecology

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

- Attachment #1 - Meeting Summary
- Attachment #2 - Attendance Sheets for 200 Groundwater & 200-BP-11
- Attachment #3 - Agenda
- Attachment #4 - Action Item Status List
- Attachment #4b - Decisions/Agreements/Commitments
- Attachment #5 - 200-UP-1 Aquifer Testing Status & Preliminary Results FY 1993
- Attachment #6 - 200-UP-1 Vertical Profiling Activity Status Report

9413286.0043



Prepared by: Kay Kimmel Date: 2/24/94
Suzanne Clarke, Kay Kimmel, GSSC (B1-42)

Concurrence by: Curt Wittreich Date: 3/17/94
Curt Wittreich, WHC Coordinator (H6-03)

Attachment #1
Unit Manager's Meeting: 200 Aggregate Area/200 Area Operable Units
November 17, 1993

Meeting and Summary of Commitments and Agreements

1. SIGNING OF THE SEPTEMBER 200 AREA UNIT MANAGER'S MEETING MINUTES:

Meeting minutes were reviewed and approved with no changes. Unit Managers agreed to cancel the October 1993 meeting due to a schedule conflict with the ER '93 Conference.

2. ACTION ITEM UPDATE. See Attachment 4 for status:

No Action Items open.

3. NEW ACTION ITEMS (INITIATED November 17, 1993):

2AAMS.9 Provide to Bill Lum any data to compare these slug tests to other tests. Action: Craig Swanson.

4. INFORMATION ITEMS:

- Status 200-BP-11 Operable Unit - Bob McLeod led a discussion concerning utilization of the Data Quality Objective (DQO) process to facilitate RCRA/CERCLA integration for this operable unit. The next DQO scoping meeting for this work plan will be held on December 7. In order to expedite document preparation, RL is requesting that agreement be reached on all issues relevant to specific document sections before preparation of that section is initiated. This process would allow the work plan to be written in parallel with discussions. It is anticipated that four months would be sufficient for document preparation including internal reviews and printing.

Chuck Cline indicated that Ecology is writing procedures for clean closure for radiochemical and chemical contamination.

- Status 200-UP-1 Operable Unit - Brian Innis provided the status of activities at this operable unit. Reed Simpson provided a handout (see attachment #5) and an electronic copy of data to Dib Goswami. Aquifer testing results used the Bauer and Rice method. Constant discharge tests were performed but data has not yet been received.

Bruce Ford provided a status report on the vertical profiling activity (see attachment #6). This activity is being performed to map the vertical extent of uranium and technicium-99 contaminant plumes within the confined aquifer at 200-UP-1. He also discussed the methodology used to conduct the tests and interpret the data. Tracer testing was employed to determine the percentage of formation water vs. borehole storage in the samples. Tracer recovery information was utilized to assess the representativeness of the sampling zone. Specific results of this testing are being compiled in a comprehensive report that is scheduled to be issued at the end of February, 1994. Detailed testing information is as follows:

- Well 299-W19-18 is scheduled for vertical profile measurements during December.

NOV 22 1993

- Well 299-W19-8 was removed from the sampling grid as its proximity to an asbestos control area and its proximity to U-Plant prohibited access.
- Well 299-W22-22 was determined to be too far south to provide relevant data concerning the contaminant plume; therefore, no vertical profiling is planned for this well.

Curt Wittreich discussed the need for the preparation of a nitrate treatability test plan. Originally it was planned to utilize information from the nitrate treatability test for 100-HR-3 Operable Unit. However, the groundwater characteristics in the two aquifers are too dissimilar to allow data from 100-HR-3 to be directly applied to 200-UP-1. EPA will set up a meeting to discuss this issue.

- Status of 200-ZP-1 - Dan Parker updated the status for activities at the 200-ZP-1 Operable Unit.
- Status 200-BP-5 Operable Unit - Dave Erb provided the status of the 200-BP-5 OU. He indicated that the Treatability Test Plan would be delivered to the regulators on January 31, 1994.

913286-0015

200 AREA GROUNDWATER

November 17, 1993

200-ZP-1 STATUS (OU TECHNICAL COORDINATOR: DAN PARKER)

- IRM Proposed Plan
- Pilot-Scale Test Well Selection

200-UP-1 STATUS (OU TECHNICAL COORDINATOR: BRIAN INNIS)

- Work Plan
- Characterization
 - Vertical Profiling (Bruce Ford)
 - Aquifer Testing (Reed Simpson)
- Treatability Test

200-BP-5 STATUS (OU TECHNICAL COORDINATOR: DAVE ERB)

- Treatability Test Plan
- Groundwater Monitoring

Attachment #4

Action Item Status List

Unit Manager's Meeting: 200 Aggregate Area/200 Area Operable Units
November 17, 1993

Item No.	Action/Source of Action	Status
2AAMS.9	Provide to Bill Lum any data to compare these slug tests to other tests. Action: Craig Swanson	Opened 11/17/93.

91326009
400792616

Attachment #4b

Decisions/Agreements/Commitments

DECISIONS: The *Integrated 200-BP-11 Operable Unit and 216-B-3 Main Pond Closure/Postclosure Plan* (DOE/RL-93-74) is currently scheduled to be transmitted to the Regulators by April 30, 1994 per TPA milestone M-13-07. It was decided by DOE, Ecology, and EPA to hold meetings between the parties to "walk through" the data quality objective (DQO) process for the work/closure plan. This DQO process is somewhat unique because an integrated RCRA past-practice work plan and a RCRA TSD closure/postclosure plan is new to the Hanford Site. The meetings have been beneficial, but are more involved and are taking longer than originally planned. In consideration of the DQO meetings, the work/closure plan has fallen behind schedule for WHC internal review by December 1993, and thus further delays may jeopardize the TPA milestone.

AGREEMENTS: The DOE, Ecology, and EPA agreed at the November 17, 1994 CERCLA Unit Managers Meeting to continue with the DQO meetings for the *Integrated 200-BP-11 Operable Unit and 216-B-3 Main Pond Closure/Postclosure Plan*. It was also agreed that the M-13-07 milestone date of April 30, 1994 would be renegotiated based on the completion of the DQO meetings. A maximum of 172 days (5.7 months), as shown below, will be needed to submit the work/closure plan to the Regulators.

Forty-five days to complete WHC Internal Draft of the work/closure plan for WHC review.

Thirty days for WHC review.

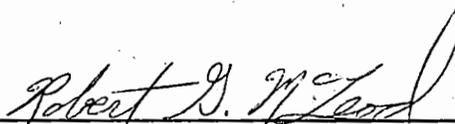
Thirty days to disposition WHC comments, incorporate comments, and prepare the Predecisional Draft for submittal to the DOE.

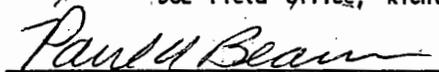
Thirty days for DOE review.

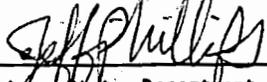
Thirty days to disposition DOE comments, incorporate comments, and prepare Draft A for submittal to Ecology and EPA.

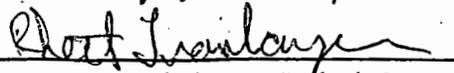
Seven days to submit the *Integrated 200-BP-11 Operable Unit and 216-B-3 Main Pond Work/Closure Plan* to Ecology and EPA.

COMMITMENTS: WHC will prepare a TPA Change Request to reassign the work/closure plan submittal date. The DOE and/or Ecology will schedule a time slot for presenting the TPA Change Request to the project managers at the January or February 1994 Project Managers Meeting.


12-13-93
DOE Field Office, Richland


12-16-93
U.S. Environmental Protection Agency


12/19/93
Washington State Department of Ecology


12/20/93
Westinghouse Hanford Company

941326-050

200-UP-1 Aquifer Testing
Status and Preliminary Results
FY 1993

150-982112

Aquifer Testing

Purpose: Support refinement of the hydrogeologic conceptual model and fill in numerical model data gaps

Objective:

1. Determine aquifer hydraulic conductivities for the uppermost aquifer

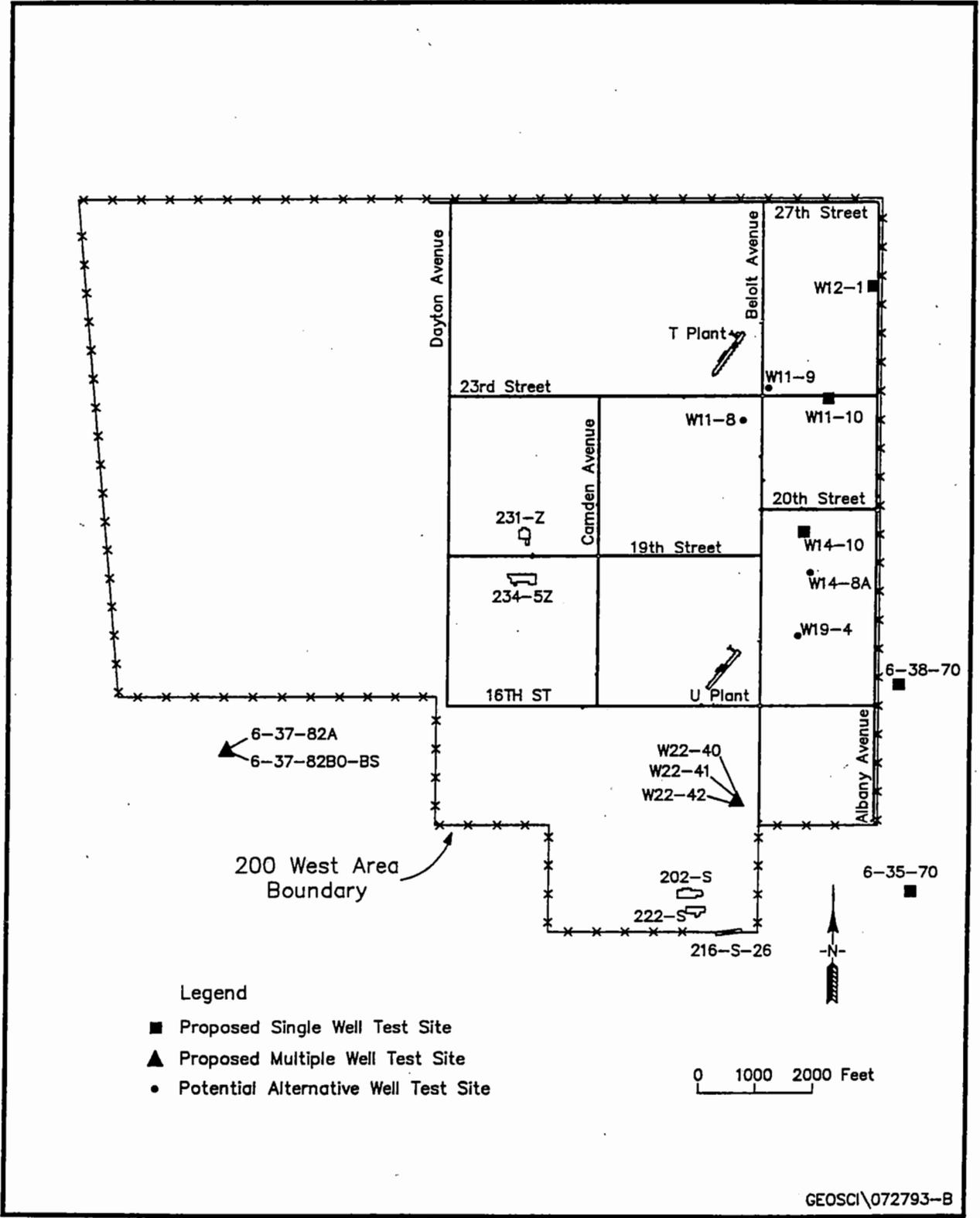
Testing Methods:

1. Slug tests, and
2. Constant rate discharge tests

2024062

Planned Test-Well Locations

500 927116



Legend

- Proposed Single Well Test Site
- ▲ Proposed Multiple Well Test Site
- Potential Alternative Well Test Site

Tested Wells

Proposed Test Well	Test Method	Well Tested (Y/N)	Alternate Test Well	Reason for Changing Test well
299-W11-10	Slug	Y	-	-
299-W12-1	Slug	Y	-	-
299-W14-10	Slug	N	W19-4	Screen Dogleg
299-W22-41	Discharge /Slug	N/Y	W11-10	Under RCRA Assessment
699-35-70	Slug	Y	-	-
699-37-82A	Discharge /Slug	N/Y	W12-1	Insufficient Water
699-38-70	Slug	Y	-	-

Preliminary Slug Test Results

Well Name	Hydraulic Conductivity (ft/d)
299-W11-10	6
299-W12-1	20
299-W14-10	No Result
299-W19-4	20
299-W22-41	15
699-35-70	175
699-37-82A	190
699-38-70	435*

*Suspect Result

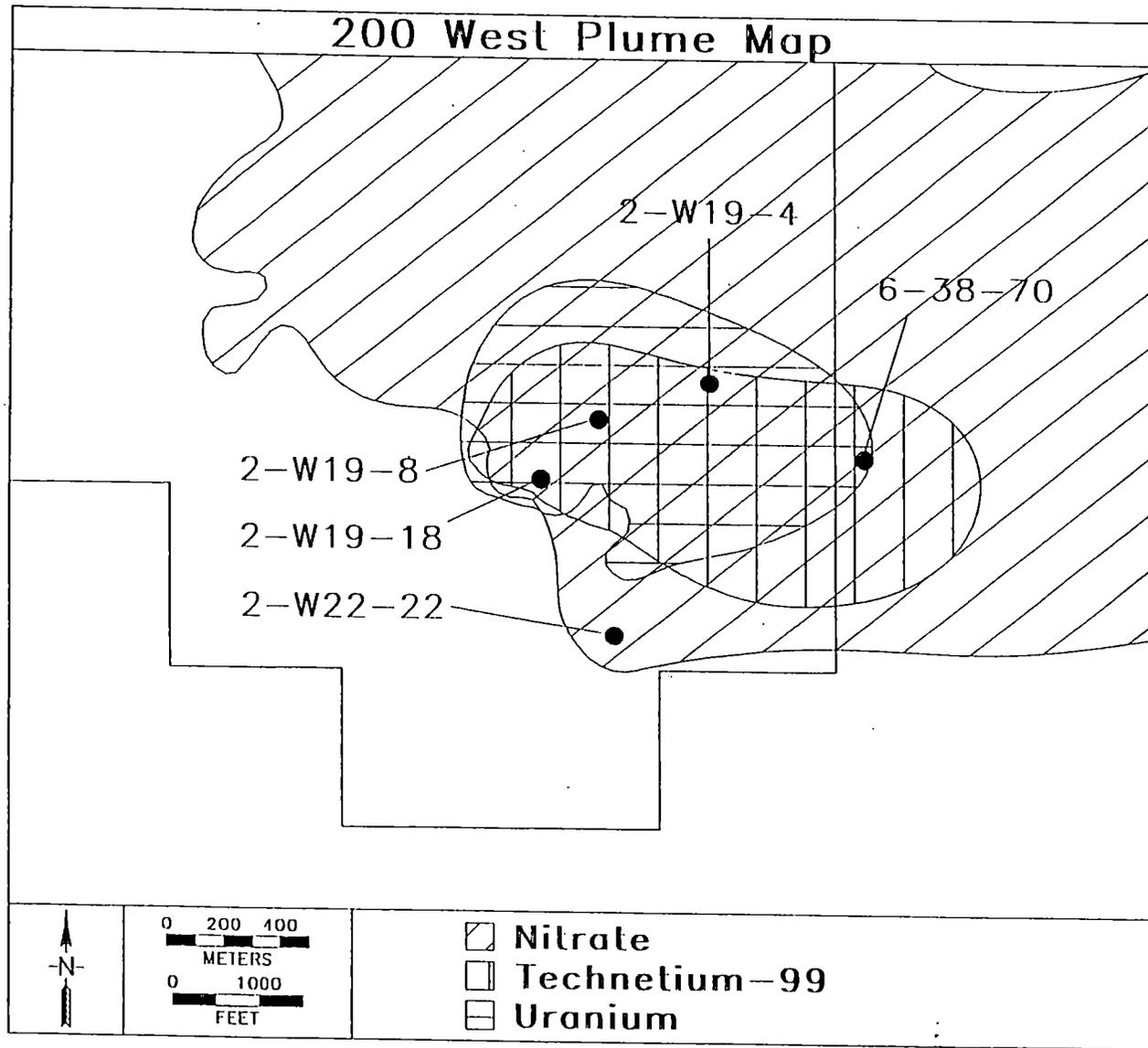
Constant rate discharge tests are still being analyzed.

**200-UP-1
VERTICAL PROFILING
ACTIVITY**

STATUS REPORT

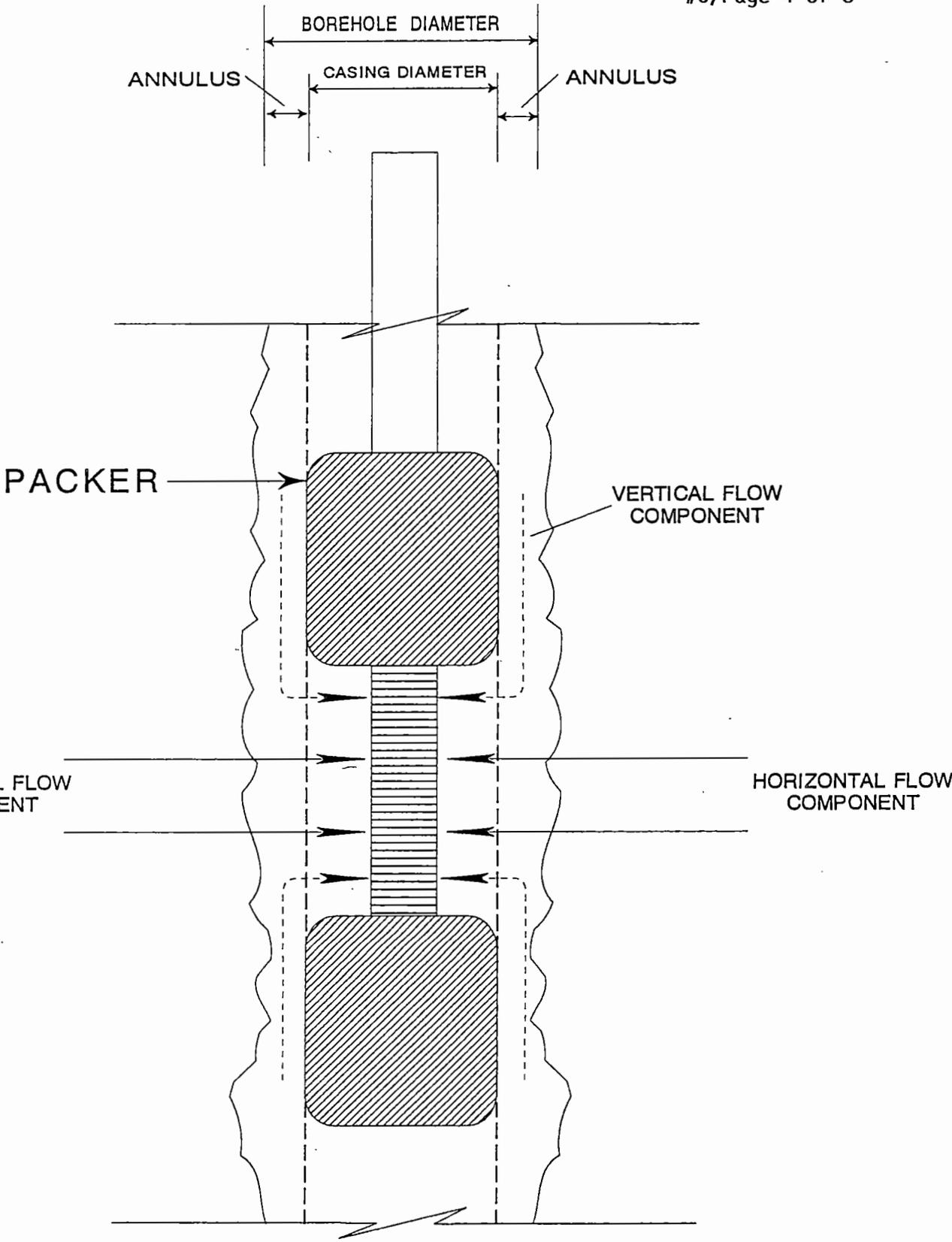
B.H. Ford

**Geosciences Function
Westinghouse Hanford Company**



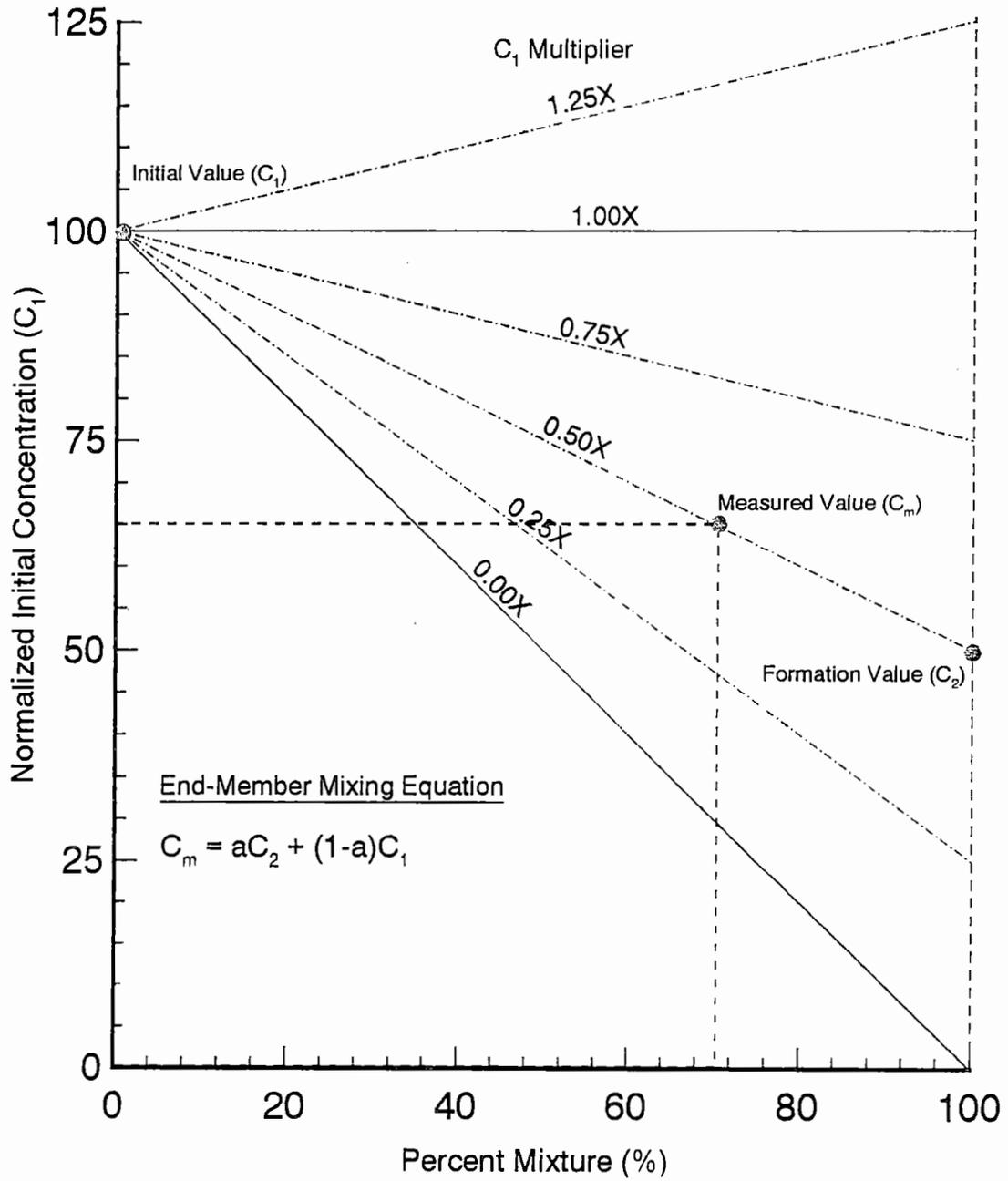
SAMPLING STATUS:

WELL	WELL MAINTENANCE	PRETEST ACTIVITIES	WELL TEST
299-W19-4	MAY 93	JULY 93	SEPTEMBER 93
299-W19-8	WELL INACCESSIBLE	WELL INACCESSIBLE	WELL INACCESSIBLE
299-W19-18	MAY 93	AUGUST 93	OCTOBER 93 INCOMPLETE
299-W22-22	MAY 93	AUGUST 93	SEPTEMBER 93 INCOMPLETE
699-38-70	MAY 93	AUGUST 93	AUGUST 93



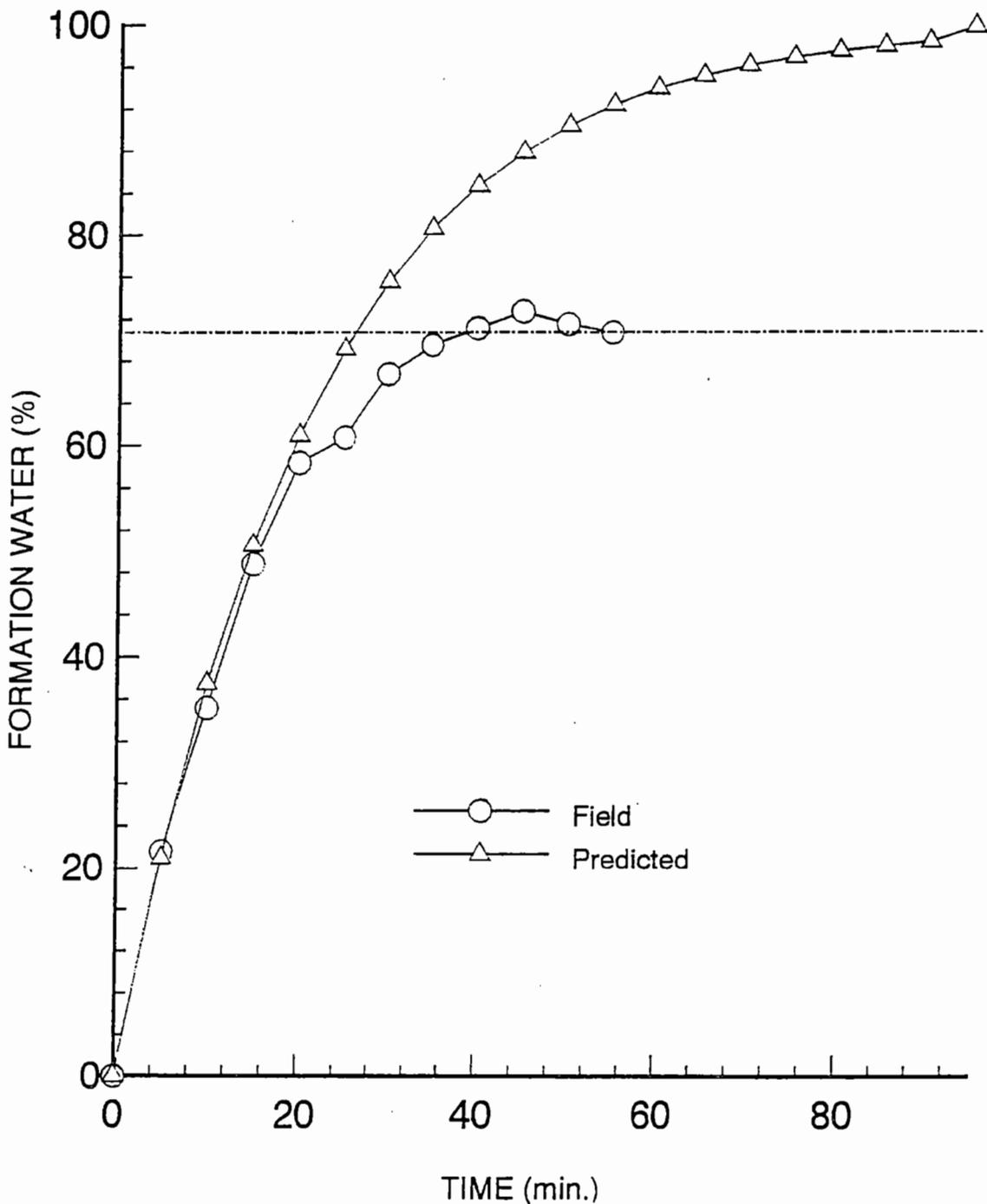
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VERTICAL PROFILE RESULT EVALUATION



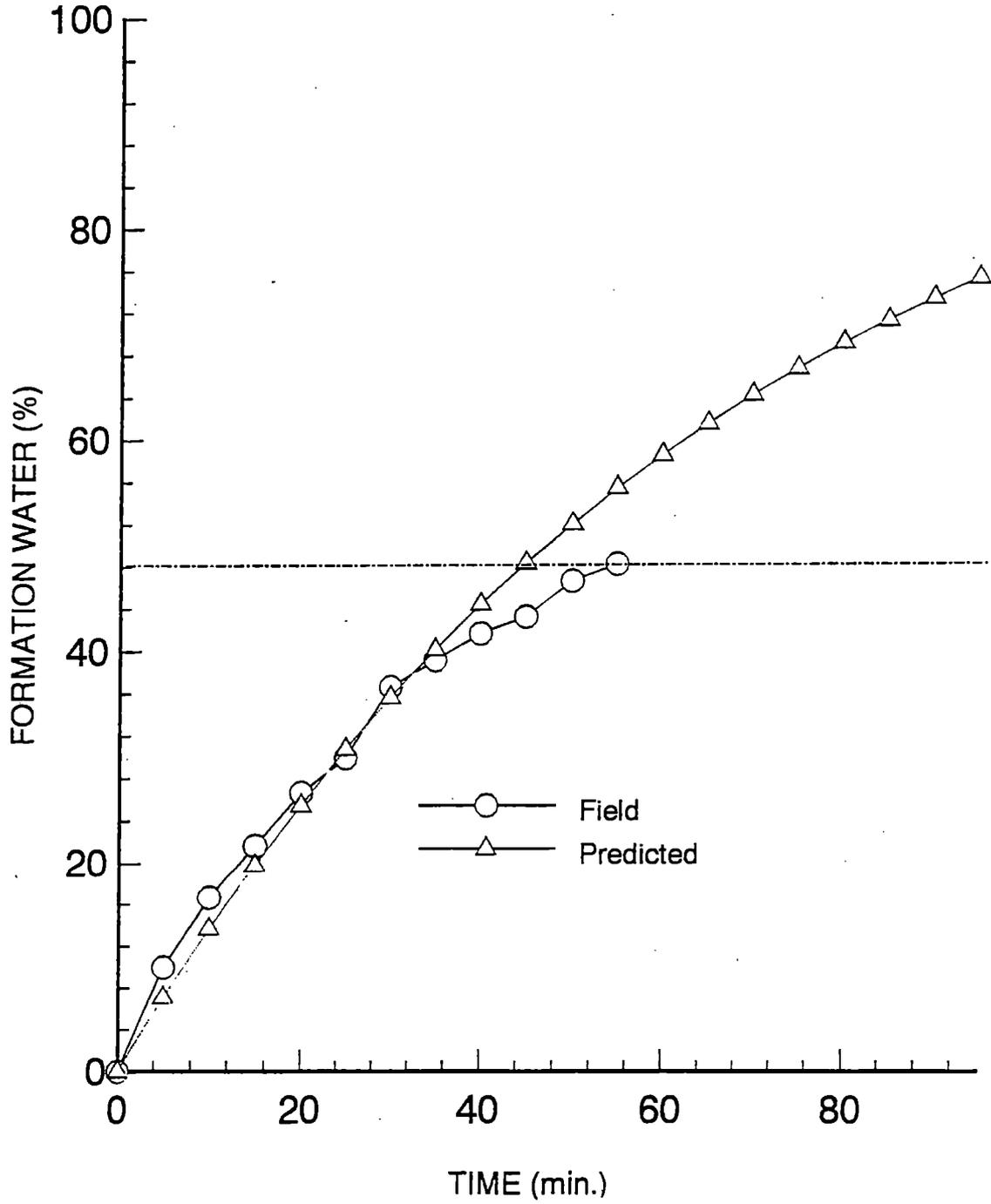
0910 0823 116
9113286.0060

299-W19-4 MIDDLE ZONE (30-35' BWT)



9413286-0061

699-38-70 BOTTOM ZONE (16-21' BWT)



2900-902116
911226-062

Proposed Schedule

Complete the review of all data collected to date	12//31/93
Attempt resampling of borehole 2-W19-18	12/93
Complete the review of 2-W19-18 results	2/28/93

Distribution

Unit Manager's Meeting: 200 Aggregate Area/200 Area Operable Units
November 17, 1993

Paul Pak DOE-RL, ERD (A5-19)
Diane Clark DOE-RL, TSD/SSB (A5-55)
Mary Harmon DOE-HQ (EM-442)

Doug Sherwood 200 Aggregate Area Manager, EPA (B5-01)
Brian Drost USGS, Support to EPA
Audree DeAngeles PRC, Support to EPA

Dib Goswami WDOE (Kennewick)
Larry Goldstein WDOE (Lacey)

Lynn Albin Washington Dept. of Health

Curt Wittreich WHC (H6-03)
Mel Adams (Please route to:) WHC (H6-01)
 Rich Carlson WHC (H6-03)
 M.J. Galgoul WHC (H6-03)
L.D. Arnold WHC (B2-35)
Diana Sickle WHC (H6-27)
Chris Widrig (Please route to:) PNL (K1-21)
 Wayne Martin PNL (K1-19)
 Mark Hanson PNL (K1-51)
 Roy Gephart PNL (K1-22)
 Steve Slate PNL (K1-19)
 Joan Keller PNL (K1-21)
 Ben Johnson PNL (K1-78)

9413286.0064

Original Sent To: ADMINISTRATIVE RECORD: 200 AAMS and 216-B-3 Pond System, Care of EPIC, WHC (H6-08)

Please inform Suzanne Clarke (946-3690) or Kay Kimmel (946-3692) of Mactec/Dames & Moore (B1-42) of deletions or additions to the distribution list.