

**AGENDA
SOIL & WATER PROJECTS WORKSHOP**

Alpha Building

August 7, 1997
7:00 - 9:00 p.m.

7:00 Introduction Gary Stegner

AQUIFER RESTORATION &
WASTEWATER

John Kappa
Dave Brettschneider

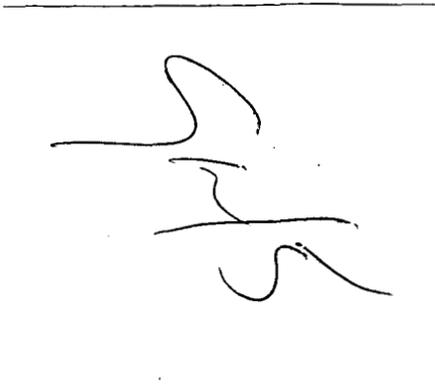
SOIL REMEDIATION PROJECT

Dennis Carr

8:45 Concluding Remarks/Review of Action Items Gary Stegner

DOE and FDF personnel will be available after the meeting to discuss with the public any of the projects presented tonight.

DO-103



SOIL & WATER PROJECTS WORKSHOP**August 7, 1997****Evaluation Survey**

Thank you for attending the workshop to discuss projects in the Soil & Water Division. Please take a few minutes to answer the questions below:

1. Did you receive a notification postcard of this workshop? If not, you are probably not on our key stakeholder mailing list. If you want to be added to the list, please ask at the registration table for a Mailing List Request form.

2. Was the presentation on the Aquifer Restoration Project adequate and understandable?

3. Was the presentation on Wastewater adequate and understandable?

4. Was the presentation on Soils Remediation adequate and understandable?.

5. How satisfied were you with responses to questions asked this evening?

6. Do you have any other constructive comment/criticism about tonight's meeting?

Optional:

Name _____ Phone _____

SOIL PROJECT - BACKGROUND

- Implementation of OU2 and OU5 Records of Decision
- Scope - Excavation Waste Material and Soil Exceeding Cleanup Levels
 - Place Excavated Materials in On-Site Disposal Facility (OSDF)
 - Soil or Waste Exceeding OSDF WAC Shipped Off-Site
 - Restore Affected Areas

SOIL PROJECT UPDATE

FIELD WORK

AREA 1 PHASE I - OSDF Cell 1 and 2 Footprint

- Excavation and Certification Sampling Complete
- Addressing EPA Comments

OSDF Cell 1

- Under Construction
- CY97 Goal - 3 Feet of Cover Material Over Liner

SOIL PROJECT UPDATE

PAPER WORK

- Sitewide Excavation Plan
- HPGe Comparability Study
- RTRAK Report

SOIL PROJECT - BACKGROUND

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945

SOIL PROJECT UPDATE

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SOIL PROJECT UPDATE

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FEMP
SOIL AND WATER PUBLIC MEETING
AUGUST 7, 1997

AQUIFER RESTORATION
AND
WASTEWATER PROJECT

J. KAPPA
D. BRETTSCHEIDER

#17

Aquifer Restoration (continued)

- CERCLA Documentation
- Baseline Remedial Strategy Report
- Update on South Plume
- South Plume Optimization
- Reinjection
- South Field Extraction System
- Future Design and Construction Activities

Aquifer Restoration (continued)

- **Baseline Remedial Strategy Report**
 - **OU5 FS/ROD outlined cleanup of GW in 27 years**
 - **Revised strategy in Baseline Report estimates aquifer clean up in approximately 10 years. Contingent on:**
 - **Earlier startup (contingent on other accelerated project schedules)**
 - **Addition of South Plume Optimization Wells**
 - **Successful incorporation of reinjection technology**

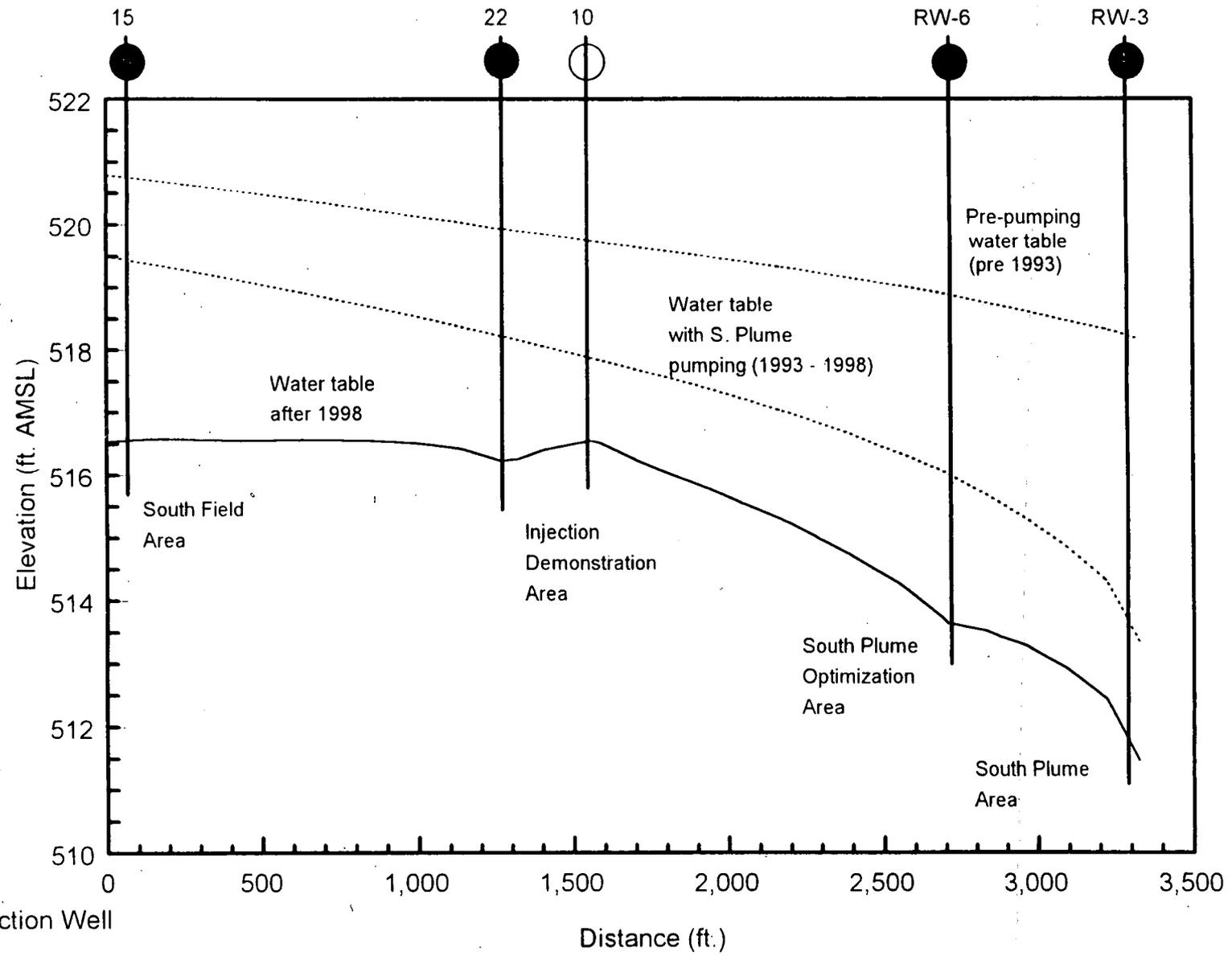
Aquifer Restoration (continued)

- South Plume Optimization:
 - Installation of additional extraction wells in South Plume
 - Geoprobings
 - Performed at 19 locations
 - Refined interpretation of plume configuration
 - Conducted to support Remedial Design - optimal location for extraction wells

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- Injection Well
- Extraction Well

Water Table Elevation Profile

Aquifer Restoration (continued)

- Future design, construction, and startup activities include:
 - Waste Storage Area System
 - Plant 6 Area System
 - South Field Extraction System - Phase II
 - South Field Injection System
 - Potential Supplemental Systems (as required)

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Wastewater (continued)

- **ROD Requirements for Wastewater**
- **Currently Operational Wastewater treatment facilities**
- **Discussion of Uranium Treatment Process**
- **Recently completed construction activities**
- **Current construction and start-up activities**
- **Current design activities**
- **Projected Effluent Flow Diagram**
- **Aquifer Remediation and Wastewater Timeline**



Wastewater (continued)

- **Currently Operational uranium wastewater treatment facilities:**
 - **Advanced Wastewater Treatment - Phase I (Annual average throughput approximately 600 gpm)**
 - **Advanced Wastewater Treatment - Phase II (Annual average throughput approximately 300 gpm)**
 - **Interim Advanced Wastewater Treatment (IAWWT) (Annual average throughput approximately 300 gpm)**
 - **South Plume Interim Treatment (SPIT) (Annual average throughput approximately 200 gpm)**

Wastewater (continued)

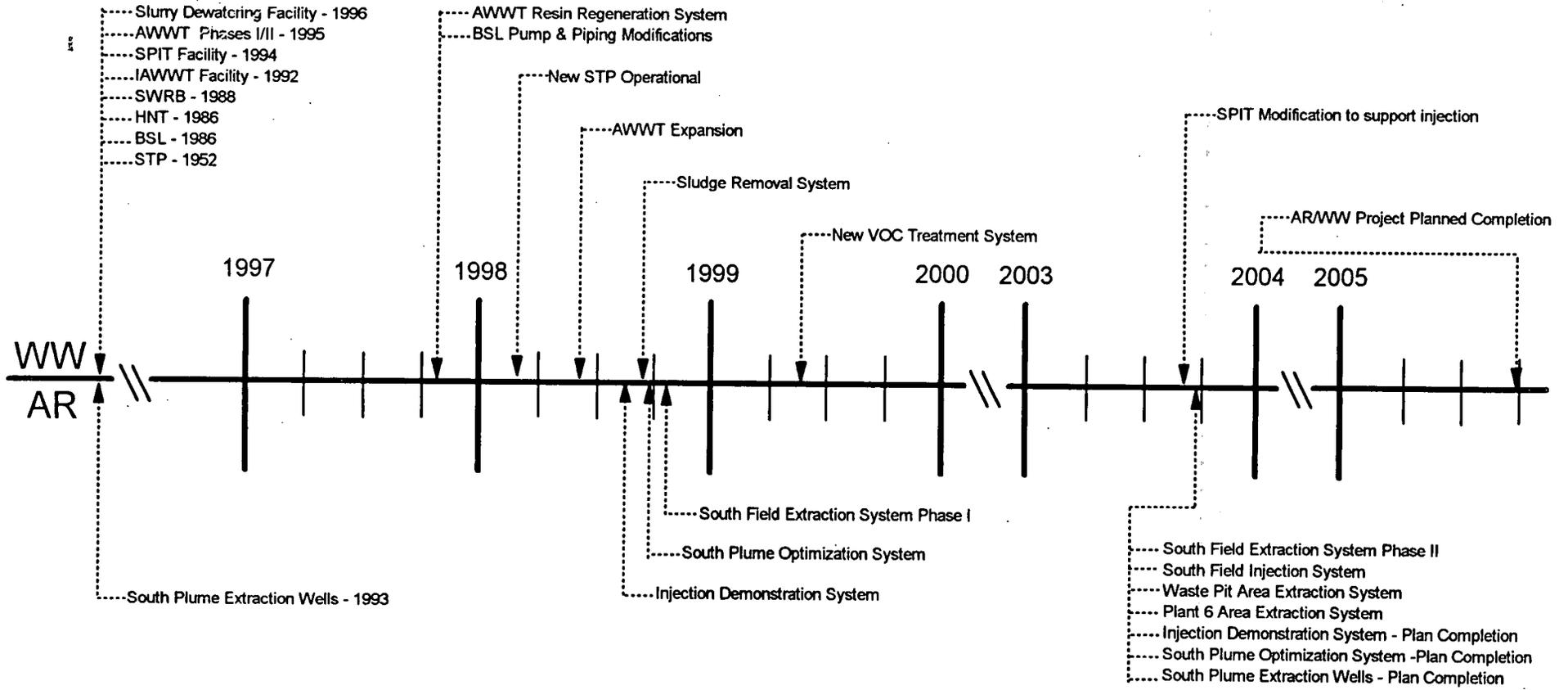
- Recent construction activities completed include:
 - Installation of Multi-media Filters on AWWT Phases I & II
 - Parking Lot Stormwater Diversion (to free up additional treatment capacity for Remediation wastewaters)

Wastewater (continued)

- Current design and future construction, and start-up activities include:
 - Bionitrification Surge Lagoon sludge removal system
 - Storm Water Retention Basin sludge removal system
 - "New" Volatile Organic Compound Treatment system

gaw

ARWWP Timeline



3/24/03