

CCN: 082710

SUBJECT GROUNDWATER/VADOSE ZONE INTEGRATION PROJECT MEETING -
SEPTEMBER 18, 2000

TO Distribution

FROM Michael J. Graham, Groundwater/Vadose Zone Integration Project Manager

DATE October 3, 2000

ATTENDEES
See Attached List

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NEXT GW/VZ INTEGRATION PROJECT OPEN MEETING:

Next Meeting: Monday, October 2, 2000 – 1-3 p.m.
Location: Bechtel Hanford, Inc., Assembly Room (Badging Required)
Local Call-In Number: (509) 376-7411
Toll Free Call-In Number: (800) 664-0771

MEETING MINUTES:

A Groundwater/Vadose Zone (GW/VZ) Integration Project Open Meeting was held on September 18, 2000, in Richland, Washington, at the Bechtel Hanford, Inc. (BHI) Assembly Room.

PROJECT REPORT:

INTEGRATED PROJECT SCHEDULE UPDATE (provided at meeting) (Tom Wintczak)

We are pushing toward the end of the year. We will have the Integrated Schedule at the next meeting. The borehole logging report was issued at the end of July. The first borehole report has been issued.

The Characterization of Systems task is moving towards completion of the first cut of the total list of Features, Events and Processes (FEPs). That should be done by the end of September.

We are pretty much on schedule to complete the Detailed Work Plan (DWP).

Bob Bryce is working on the Assemble Capability Report for the System Assessment Capability. The SX Tank Farm report is on schedule. We'll make most everything we have on here.

Groundwater Management (Greg Mitchem)

In-Situ Redox Manipulation Status

We are to inject ten wells and we'll do the extraction after that. The eighth well was injected last week. We are extracting from wells 6, 7 and 8.

Resource Conservation and Recovery Act Drilling Update

The fifth well has been installed and was made sample ready last week. The drill casing got stuck in the fifth hole. We had to abandon that hole and drill another well. We are working with Ecology on the abandoned well. But, we got fifth well in.

618-11 Tritium Investigations (Jane Borghese)

We placed and sampled 48 soil gas points to about 15 feet, and re-sampled 11 existing groundwater wells. We initiated the vertical profiling sampling event in two wells. We are carrying the dollars over to FY 2001 to do the groundwater grab samples.

Integration Project Expert Panel (IPEP) (Virginia Rohay)

The next IPEP meeting is October 25-27, 2000. The IPEP is reviewing the agenda, which has not yet been finalized.

A sub-panel has been formed to review the Proposed Partitioning Interwell Tracer Test. The chairman is Dr. Michael Kavanaugh and he selected the membership for the sub-panel. Dr. Lorne Everett and Dr. David McWhorter are the other members. They will begin work today and will provide their recommendations in a report by October 20, 2000.

200 Area Assessment (Bruce Ford)

U.S. Department of Energy, Richland Operations Office Issued Draft 0 Workplans for 200-CW-1, 200-CS-1, 200-CW-5

U.S. Department of Energy, Richland Operations Office (DOE-RL) issued three Remedial Investigation/Feasibility Study Operable Unit Workplans (RI/FS) to the regulators for final approval. They are the B Pond/Gable Mountain Pond, the Chemical Sewers, and U-Pond/Z-Ditches Cooling Water Work Plans. There is a set of Tri-Party Agreement (TPA) milestones for each of these operable units that identify milestones for work in the field that carry us through the next four years of work. The TPA packages were approved about three weeks ago.

Klein Vision (Tom Wintczak)

Last week there was an Environmental Restoration (ER) Committee and Waste Management Committee meeting. Beth Bilson presented a study to the two committees. The general consensus is that they are waiting for DOE to demonstrate their commitment (provide the funding.)

COMMENT: The real criterion is if DOE asks for budget, to start it, and if Congress wants it. The approach to risk prioritization or risk management.

There have been a series of studies relative to infrastructure and waste management. There have been many options looked at that make a lot of sense. There is a lot of good work there, no matter the funding level, that can be utilized.

DWP Update (Tom Wintczak)

Scott Hainer went through an update on DWP as to where we are. The attached is a summary page of items deleted or added. To point out the additions - for the 200 Area \$4.4 million has been added to continue the assessment work and to start looking at barrier studies and continue monitoring on existing barrier. And, \$800,000 has been added for borehole logging.

QUESTION: What information do we have that would tell us whether or not new barriers would perform adequately? What happens when the cap itself is damaged?

ANSWER: The activities that we are initiating for next year would be work that came out of further study of the treatability test, where we can get another source to replace McGee Ranch source material. Those questions would fit into the design phase for the barrier.

COMMENT: Those are the key questions that would control what the barrier looks like.

ANSWER: The technical people have talked. There is a tremendous amount of work being done on barriers across the country. We are data mining all the information that is out there. A lot of studies show that the cost of maintaining barriers exceeded what people thought it would be. Some are not meeting expectations.

It is in our DWP planning for FY02.

There is an error on the sheet regarding 618-11. We put in \$200,000. That allows us to finish up analysis and reporting.

Upcoming Events (Tom Wintczak)

Looking at the calendar, there is a Hanford Advisory Board (HAB) meeting on October 10, 2000. IPEP will meet at the end of October. There is a National Academy of Sciences (NAS) meeting tentatively scheduled for November 2-3, 2000. We will discuss the last NAS meeting at the next Open Meeting, October 2, 2000. The next NAS meeting is off site, and includes a small group with the NAS. They will be answering questions primarily in the area of risk. General feedback from the last NAS meeting is very positive. They will begin writing their report the next time they meet.

COMMENT: The Oregon Hanford Waste Board is meeting October 23-24, 2000. The first day is the committee meeting and the main board meets on the second day.

QUESTION: Does that meeting take place at the Hood River Inn?

ANSWER: I presume so.

NOTES:

GW/VZ Web Site location: <http://www.bhi-erc.com/vadose>

If you have questions or comments please contact Steve Sautter (509-372-9097) or Alison Kent (509-372-9192).

ATTACHMENTS:

- 1) GW/VZ Integration Project Two Month Look Ahead Calendar
- 2) ER FY01 DWP scope adjustments/funding reconciliation

ATTENDEES:

Jane Borghese - CHI
Dirk Dunning - ODOE
Bruce Ford – BHI
Mike Hughes - BHI
Kathy Huss – SAIC
Moses Jarayssi - BHI
Alison Kent - BHI
Fred Mann - FFS

Greg Mitchem - BHI
Gordon Rogers – HAB
Virginia Rohay - CHI
Steve Sautter - BHI
Stan Sobczyk – NPT
Mike Thompson – DOE-RL
Tom Wintczak - BHI
Rob Yasek – DOE-RL

GW/VZ INTEGRATION PROJECT
AUGUST 21, 2000 – OCTOBER 31, 2000
THREE MONTH LOOK AHEAD CALENDAR

August 21	GW/VZ Open Project Team Meeting BHI Assembly Room – 1-3 p.m. (Contact: Dru Butler)
August 28-29	Environmental Management Advisory Board (Richland, WA)
September 4	CANCELLED DUE TO HOLIDAY: GW/VZ Project Open Meeting (1-3 p.m., BHI Assembly Room)
September 6	HAB-PI Committee Meeting (Seattle, WA)
September 6-7	NAS Meeting (Richland, WA)
September 7-8	HAB Meeting (Seattle)
September 11	Regulatory Path Forward Workshop – 200 Area Source Units (9 a.m. – 4 p.m., BHI Assembly Room)
September 12	HAB Environmental Restoration Meeting BHI Assembly Room – 8 a.m. – 4 p.m.
September 18	GW/VZ Open Project Team Meeting BHI Assembly Room – 1-3 p.m. (Contact: Dru Butler)
October 2	GW/VZ Open Project Team Meeting BHI Assembly Room – 1-3 p.m. (Contact: Dru Butler)
October 10	HAB Environmental Restoration Meeting BHI Assembly Room – 8 a.m. – 4 p.m.
October 16	GW/VZ Open Project Team Meeting BHI Assembly Room – 1-3 p.m. (Contact: Dru Butler)
October 23-24	Oregon-Hanford Waste Board Hood River, OR
October 25-27	Integration Project Expert Panel Meeting BHI Assembly Room

ER FY01 DWP scope adjustments/funding reconciliation

<u>ER FY01 funding Target -</u>	<u>(\$k)</u> 141,900
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DWP Scope Adjustments-

Groundwater/Vadose Zone Project

- | | |
|--|----------------|
| • Defer 100/200 Area remediation strategy- | (90) |
| • Reduced 1 st & 2 nd quarter routine well maintenance | (66) |
| • Discontinue Active operations of 200-ZP-2 for FY 2001 | (100) |
| • Remove VZ01 Characterization “placeholder” | (1,442) |
| • 200 Area Assessment (ER02, in DWP) | 443 |
| • 300-FF-5 O&M Plan and 100-NR-2 O&M Plan and RD/RA | 106 |
| • DNAPL Investigation for CCL4 | 1,100 |
| • 618-11 Tritium Investigation, Phase 2B | 600 |

Project Management & Support

- | | |
|----------------------------|---------------------|
| • Site Services reduction- | <u>(515)</u> |
| s/t DWP: | - |

Supplimental Scope/funding-

Reactor ISS

- | | |
|------------------------|---------------|
| • F & DR Reactor ISS*- | 10,000 |
|------------------------|---------------|

Groundwater/Vadose Zone Project

- | | |
|---|-------------------|
| • 200 Area Assessment (FY01 compliance)**- | 4,400 |
| • Borehole logging (Grand Junction sppt)**- | <u>800</u> |

s/t additional funding required:	15,200
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<u>ER FY01 required funding -</u>	157,100**
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***Anticipated special funding authorization for FY01**

****Anticipated \$2.5M for 200 Area Assess. & \$800k for Grand Junction sppt from RL other sources, \$1.9M from ER FY00 efficiencies**