



# **Section O**

## ***Groundwater/Vadose Zone Integration***

### **PROJECT MANAGERS**

S.H. Wisness, RL  
(509) 373-9337

L. J. Olguin, FH  
(509) 372-8233

## INTRODUCTION

The Groundwater/Vadose Zone Integration, Project Baseline Summary (PBS) RL-SS04, Work Breakdown Structure (WBS) 3.4.4, consists of Science and Technology, System Assessment Capability, and Characterization.

NOTE: Unless otherwise noted, all information contained herein is as of the end of August 2002.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due this fiscal year.

## NOTABLE ACCOMPLISHMENTS

**Groundwater/Vadose Zone Integration** — The Waste Information Database System (WIDS) was updated to reflect changes in waste site ownership resulting from the transition to Central Plateau, and drafts of Master Schedules were provided to the regulators for comment as planned. Additionally, three letter reports on vadose zone hydraulic properties to aid flow and transport modeling were completed, and the draft assessment summary document was delivered to RL as scheduled for review in preparation for publishing by September 30.

## Safety

All Central Plateau Remediation Project (CP) Safety and Conduct of Operations information is reported in section F.

## BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

### Breakthroughs

None to report.

### Opportunities for Improvement

None to report.

## UPCOMING ACTIVITIES

**Groundwater/Vadose Zone Integration** — Complete development of the Rock Sand Module of the Virtual Library.

**System Assessment Capability (SAC)** — Issue a report on the initial assessment of the Hanford Site's impact on the region performed with the SAC computer models by September 30, 2002.

## MILESTONE ACHIEVEMENT FH Contract Milestones

None to report.

## PERFORMANCE OBJECTIVES

None to report.

### FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

Sub-Project		BCWS	BCWP	ACWP	SV	%	CV	%	BAC
PBS SS04 WBS 3.4.4.1	Management & Integration	1,461	1,257	727	(204)	-14%	530	42%	2,286
PBS SS04 WBS 3.4.4.3	System Assessment Capability	310	279	245	(32)	-10%	33	12%	460
PBS SS04 WBS 3.4.4.4	Characterization	180	177	86	(3)	-2%	91	51%	287
<b>Total GW Vadose Zone Integration</b>		<b>1,951</b>	<b>1,712</b>	<b>1,058</b>	<b>(239)</b>	<b>-12%</b>	<b>654</b>	<b>38%</b>	<b>3,033</b>

### FY TO DATE SCHEDULE / COST PERFORMANCE

The unfavorable schedule variance of \$0.2M (12 percent) is primarily due to delay in identifying members of the Expert Panel, unresolved scope issues related to the next module of the Virtual Library (VL), and planning progressing at a slower than expected rate. The favorable cost variance of \$0.7M (38 percent) is primarily due to assumptions made in developing the budgets prior to transition, not being fully staffed, and to resources being used for higher priority activities.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

### Schedule Variance Analysis: (-\$0.2M)

#### Management & Integration — 3.4.4.1/SS04

**Description and Cause:** The unfavorable schedule variance is due to delay in identifying members of the Expert Panel, unresolved scope issues related to the next module of the VL, and planning for regulator and stakeholder workshops progressing at a slower than expected rate.

**Impact:** None.

**Corrective Action:** The Expert Panel is being replaced by a steering committee with meeting to be planned for FY 2003, the next module of the VL will be developed in FY 2003, and the public meetings will be held as early as possible in FY 2003.

**System Assessment Capability — 3.4.4.3/SS04**

**Description and Cause:** The unfavorable schedule variance is a result of delay of draft revision System Assessment Capabilities (SAC) Specification due to staff being diverted to complete the Solid Waste Environmental Impact Statement.

**Impact:** None.

**Corrective Action:** The resources will be available to recover schedule in September.

All other projects are within established thresholds.

**Cost Variance Analysis: (+ \$0.7M)**

**Management & Integration — 3.4.4.1/SS04**

**Description and Cause:** The favorable cost variance is primarily due to assumptions made in developing the budgets prior to transition and not being fully staffed.

**Impact:** None.

**Corrective Action:** Efficiencies and workarounds are being sought until fully staffed.

**System Assessment Capability — 3.4.4.3/SS04**

**Description and Cause:** The favorable cost variance is primarily due to resources for level of effort tasks being used for higher priority activities.

**Impact:** None.

**Corrective Action:** None.

**Characterization — 3.4.4.4/SS04**

**Description and Cause:** The favorable cost variance is primarily due to overstatement of earned value associated with characterization work that has been delayed due to high water levels on the river.

**Impact:** None.

**Corrective Action:** Accrual will be replaced with actual costs, and characterization will be performed when the water level drops.

## ISSUES

### Technical Issues, Regulatory, External, and DOE Issues and DOE Requests

None to report.

### BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

None to report.