



# Section F

## ***EM-50***

# ***Science & Technology***

# ***Activities***

### COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
Technology Development (EM-50)	\$21.5	\$20.0	\$1.4*

\*Rounding

The unfavorable cost variance is within established thresholds.

### SCHEDULE PERFORMANCE (\$M):

	BCWP	BCWS	VARIANCE
Technology Development (EM-50)	\$21.5	\$23.9	- \$2.5*

\*Rounding

The \$2.5 million (10 percent) unfavorable schedule variance is primarily the result of PNNL EM-50 projects work scope deferred to FY 2001 and FY 2002 for better utilization of funding allocations. Funding for PNNL three-year project allows for work scope adjustments without issue. FH's portion of TD (\$1.0M) is within thresholds.

### MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
RL	0	0	1	0	0	0	0	1
Total Project	0	0	1	0	0	0	0	1

### MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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**OVERDUE – 0**

## **TECHNOLOGY DEPLOYMENTS**

The following table is a listing of EM funded Technology Deployments for FY 2000. These deployments are discussed in the applicable Project Sections.

### ***FY 2000 TECHNOLOGY DEPLOYMENTS***

<b>Technology Name</b>	<b>Actual Date</b>	<b>Project</b>
Small Diameter Geophysical Logging System	01-Apr-00	ERC
Overview Video System	01-Apr-00	ERC
Liquid-Level Detection Technology (Ultrasonics)	01-Apr-00	ERC
Passive Soil Vapor Extraction (Barometric Pumping)	01-Apr-00	ERC
Stabilizing Low-Level Category 3 Waste Using Special Concrete	01-Apr-00	WM
Advanced Characterization System	30-Jun-00	ERC
Wireline Cone Penetrometer System for Multiple Tool Usage	31-Jul-00	ERC
Supervisory Control and Data Acquisition (SCADA)	31-Jul-00	LL
Drain Line Characterization Robot	31-Aug-00	ERC
Mini-Robot for Removal of Dispersibles in B-Cell	31-Aug-00	FT
HANSF Analysis Tool	31-Aug-00	SNF
Cold Vacuum Drying	31-Aug-00	SNF
In Situ Object Counting System	30-Sep-00	ERC
Remote Concrete Coring System	30-Sep-00	ERC
Packaging (bagless transfer) Process	30-Sep-00	NMS
Pipe-N-Go Repackaging Technique	30-Sep-00	NMS
Magnesium Hydroxide Precipitation	30-Sep-00	NMS