

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES								FORM APPROVED OMB No. 0704-0188	
1. CONTRACTOR		2. CONTRACT		3. PROGRAM		4. REPORT PERIOD			
a. NAME Fermi National Accelerator Laboratory		a. NAME		a. NAME NOvA project		a. FROM (YYYYMMDD) 2009/01/01			
b. LOCATION (Address and ZIP Code) Batavia, Illinois		b. NUMBER		b. PHASE		b. TO (YYYYMMDD) 2009/01/31			
		c. TYPE	d. SHARE RATIO	c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES					
2.1.2 Far Detector Building									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	0	162,007	23,000	162,007	100%	139,007	86%	N/A	7.04
Cumulative:	12,457	635,048	652,909	622,591	4,998%	-17,861	-3%	50.98	0.97
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	36,637,247	36,608,510	28,737	0%	1.00	1.00			
Thresholds Exceeded: Current Period Schedule, Current Period Cost, Cumulative Schedule									
Explanation of Variance/Description of Problem:									
<p>The Current Period and Cumulative Schedule Variances are a primarily a result of beginning this EDIA portion of this task earlier than anticipated and inaccurate reporting information. Listed below are the significant root causes:</p> <ol style="list-style-type: none"> 1. Work was started in October 2008 using FY07 carryover funds as a Project Manager sanctioned strategy to advance this critical path item. Since the EDIA effort is a Level of Effort task, there is little BCWS or BCWP until the task starts in the baseline schedule. The small (\$12k) Cumulative BCWS is one month of costs that were scheduled prior to the interruption caused by the FY08 Omnibus Appropriations Bill. However, ACWP has been accumulating since the task began ahead of schedule, leading to the large Cost Variance. 2. In December 2008, it became apparent that the FESS/Engineering costs were misapplied to the Site and Building R&D (WBS 1.1) control account. 									
Impact:									
The cost variances associated with the Level of Effort tasks are expected to remain until the completion of those tasks. The costs associated with the misapplied FESS/Engineering effort are expected to remain until corrected.									
Corrective Action:									
<ol style="list-style-type: none"> 1. In order to better track the schedule performance, the performance measurement technique (PMT) for the Construction Phase EDIA support for WBS 2.1.2.3 and WBS 2.1.2.4 will be modified to better reflect the anticipated execution of this work. Discussions with the NOvA Project Controls group are underway to determine the choice of a better PMT. 2. The Control Account Manager will work with NOvA Projects Controls to correct the misapplied FESS/Engineering costs. This is expected to occur in March 2009. 									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
Inaccurate reporting information, misapplied FESS/Engineering costs and selection of a level of effort performance measurement technique combined with starting the design of the Far Detector Building earlier than scheduled has produced unreliable status information.									
Prepared by: S. Dixon		Date: 3/10/2009		Approved by:		Date:			