

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT								FORM APPROVED	
FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES								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) 2009/02/01	
b. LOCATION (Address and ZIP Code) Batavia, Illinois		b. NUMBER			b. PHASE			b. TO (YYYYMMDD) 2009/02/28	
		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:	83,769	420,841	23,000	337,072	402%	397,841	95%	5.02	18.30
Cumulative:	96,226	1,055,889	675,909	959,663	997%	379,979	36%	10.97	1.56
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	36,637,247	36,214,994	422,253	1%	0.99	1.00			
Thresholds Exceeded: Current Period Schedule, Current Period Cost, Cumulative Schedule, Cumulative Cost									
Explanation of Variance/Description of Problem:									
<p>The Current Period has a Cost Variance (CV) in \$ of 397,841 and the Cumulative Cost Variance (CV) in \$ is 379,979. The root cause of these variances is the execution of the work in a manner not anticipated when the performance measurement baseline was developed. The acceleration of work scheduled to begin in February 2009 was begun in November 2008 in order to advance the schedule of this critical path activity and has resulted in the cost variances noted. This trend can be seen in the cumulative BCWS of \$96,226 (an increase of \$83,769 from January) indicating that the Level of Effort activities which were scheduled for February 1, 2009 are starting to be reflected.</p> <p>In addition, in December 2008, it became apparent that the some costs associated with the FESS/Engineering effort for the Site Prep Package (2.1.1) and Far Detector Building (2.1.2) had been misapplied to this control account. This error was corrected in February 2009 for charges going forward, but the correction of past errors is expected to occur in April 2009.</p> <p>The Current Period has a Schedule Variance (SV) in \$ of 337,072 and the Cumulative Schedule Variance (SV) in \$ is 959,663. The root cause of these variances is the execution of the work in a manner not anticipated when the performance measurement baseline was developed. The acceleration of work scheduled for February 2009 to November 2008 was done to advance the schedule of this critical path activity which has resulted in the schedule variances noted.</p>									
Impact:									
The actual costs for this control account are expected to remain less than the scheduled cost. The the noted variances associated with the early start of the design work will remain until this control account moves into the Build Phase.									
Corrective Action:									
The Control Account Manager will work with the NOvA Project Controls to reverse the charges associated with the misapplied FESS/Engineering effort with a completion date anticipated in April 2009									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
Advancing the schedule of this critical path activity and a better understanding of requirements has resulted in cost and schedule variances for this control account. In addition, misapplied FESS/Engineering effort has affected the cost reporting. The FESS/E reporting error was corrected for charges going forward, but reversal of past errors is expected to be complete in April 2009. These variances are expected to remain until this control account proceeds into the Build Phase.									
Prepared by:		Date:			Approved by:			Date:	
Dixon		27-Mar-09							