

**CLASSIFICATION (When Filled In)**

CONTRACT PERFORMANCE REPORT								FORM APPROVED	
FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES								OMB No. 0704-0188	
<b>1. CONTRACTOR</b>		<b>2. CONTRACT</b>			<b>3. PROGRAM</b>			<b>4. REPORT PERIOD</b>	
a. NAME Fermi National Accelerator Labora		a. NAME			a. NAME NOvA Project			a. FROM (YYYYMMDD) 2008/12/01	
b. LOCATION (Address and ZIP Batavia, Illinois		b. NUMBER			b. PHASE			b. TO (YYYYMMDD) 2008/12/31	
		c. TYPE	d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES				
<b>1.1 Site and Building R&amp;D</b>									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	35,558	16,001	265,893	-19,557	-55%	-249,892	-1562%	0.45	0.06
Cumulative:	2,203,404	2,274,519	1,493,436	71,115	3%	781,083	34%	1.03	1.52
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	2,274,519	1,493,436	781,083	34%	0.00	0.00			
Thresholds Exceeded: Current Period Schedule, Current Period Cost, Cumulative Cost									
Explanation of Variance/Description of Problem:									
<p>The Current Period has a Cost Performance Index (CPI) of 0.06. The root cause of this variance 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 earlier to advance the schedule of this critical path activity. Specially, the work scheduled for December 2008 was started in September 2008 which has resulted in the cost variances noted. 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.</p> <p>The Current Period has a Schedule Performance Index (SPI) of 0.45. The root cause of this variance 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. Specially, the work scheduled for November 2008 was performed earlier in 2008 which has resulted in the schedule noted. A better indicator of the status of this control account is the cumulative SPI.</p> <p><b>Cumulative</b></p> <p>The Cumulative CPI is 1.52 which indicates that the cumulative work scheduled to date has been accomplished for a cost less than estimated in the performance management baseline. This is due to better understanding of the work scope and a design cost from the architectural/engineering firm (Burns and McDonnell) less than anticipated. The costs associated with the misapplied FESS/Engineering efforts have also impacted the cumulative costs.</p>									
Impact:									
The actual costs for this control account are expected to remain less than the scheduled cost. This control account is expected to be complete in February 2009 and the noted variances will remain.									
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 March 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. These variances are expected to remain until this task is complete in February 2009.									
Prepared by: S. Dixon				Date: 2/23/2009		Approved by:		Date:	