

**CLASSIFICATION (When Filled In)**

CONTRACT PERFORMANCE REPORT FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES								FORM APPROVED 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 Lab		a. NAME			a. NAME NOvA project			a. FROM (YYYYMMDD) 2009/01/01	
b. LOCATION (Address and City) Batavia, Illinois		b. NUMBER			b. PHASE			b. TO (YYYYMMDD) 2009/01/31	
		c. TYPE	d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES				
<b>1.7 DAQ R&amp;D</b>									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	0	0	1,199	0	0%	-1,199	-100%	1.00	0.00
Cumulative:	214,243	216,297	780,153	2,053	1%	-563,856	-261%	1.01	0.28
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	1,383,728	1,937,617	-553,889	-40%	1.93	1.01			
Thresholds Exceeded: Current Period Cost, Cumulative Cost									
Explanation of Variance/Description of Problem: A small amount of time and materials were charged in this period. No credit was claimed for this effort due to difficulty of accounting for just what fraction of the task it was. This small false variance will be recovered, or properly accounted for in future months. The majority of the cumulative variance was in several areas. The amount of debugging that was necessary on the first version of the DAQ hardware was more extensive than anticipated. The initial version of the device was more complicated than originally anticipated. Some of this variance may be reclaimed in that there will be less development needed since the hardware has a more standard interface rather than a custom implementation. The DAQ software variance appears to be spread over all tasks, and is still under investigation for a complete accounting.									
Impact: There is no expected impact from the current period performance. The evaluation of the impact of the DAQ software variance and future plans are still underway.									
Corrective Action: All efforts are being closely monitored for their earned value to prevent such a large variance from being created again. Monthly Contract Performance Reports will help, variance analysis will help since the current variance will not go away. Potential delays will be discussed with other CAMs in Technical Board meetings. A change request may be required if the consistent underestimation of the effort continues. This would represent a substantial draw on contingency.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): There was a small amount of reported progress that was ahead of the baseline schedule in this control account for the current period. The full understanding of the cumulative variance and the development of a plan for completion of the milestones of the control account are under active development. Additional efforts of the collaboration members may help to alleviate some of the variance and reduce future costs.									
Prepared by: Leon Mualem				Date: 3/12/2009		Approved by:		Date:	