

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 Lab		a. NAME			a. NAME NOvA Project			a. FROM (YYYYMMDD) 2009/02/01	
b. LOCATION (Address and City) Batavia, Illinois		b. NUMBER			b. PHASE			b. TO (YYYYMMDD) 2009/02/28	
		c. TYPE	d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES				
1.7 DAQ R&D									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	125,175	1,747	17,983	-123,429	-99%	-16,236	-930%	0.01	0.10
Cumulative	339,419	218,044	798,136	-121,375	-36%	-580,092	-266%	0.64	0.27
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete	1,383,728	1,954,045	-570,317	-41%	1.99	1.01			
Thresholds Exceeded: Current Period Schedule, Current Period Cost, Cumulative Schedule, Cumulative Cost									
Explanation of Variance/Description of Problem:									
<p>The schedule variance in this period reflects the slow startup as personnel return to the project. About 40% of this is due to the software personnel who are not expected to return. This effort is currently being evaluated and will be reassigned to other personnel. In the meantime this effort will continue to slip. The progress is probably understated at this point, but it is also clearly behind. This effort will need to be monitored to understand whether the progress is coming up to speed in the future. Effort has just returned about about 25% for this period. Increasing this effort fraction is needed to maintain progress.</p> <p>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.</p> <p>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.</p>									
Impact:									
The schedule variance will delay the completion of this section of R&D. The delay in return of productivity in DAQ software will continue until this effort is replaced. This is not expected to happen for a few months.									
Corrective Action:									
There is no corrective action for this period									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
This control account has suffered a month of schedule slippage due to difficulties of restarting the effort and the loss of personnel from the project. The startup must be monitored to ensure that the situation improves to the point that we are progressing as expected in the hardware effort at least. Effort must also continue to replace the software development effort.									
Prepared by: Leon Mualem				Date: 3/20/2009		Approved by:		Date:	