

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) 2008/12/01	
b. LOCATION (Address and City) Batavia, Illinois		b. NUMBER			b. PHASE			b. TO (YYYYMMDD) 2008/12/31	
c. TYPE		d. SHARE RATIO		c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES					
1.6 Electronics R&D									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	0	2,748	17,600	2,748	100%	-14,852	-540%	N/A	0.16
Cumulative	273,209	286,484	523,098	13,275	5%	-236,614	-83%	1.05	0.55
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete	1,473,437	1,718,359	-244,922	-17%	1.25	0.99			
Thresholds Exceeded: Current Period Schedule, Current Period Cost, Cumulative Cost									
Explanation of Variance/Description of Problem:									
<p>The increased variance in this period is due to APD tests increased from (\$51k) to (\$66k) for tasks with BCWP of \$50k. This additional variance is attributable in roughly equal parts to additional effort needed for the APD quantum efficiency tasks that contributed the majority of the BCWP for this period, and effort on finalizing a water cooling system. This earned value will be realized in future months as the task accumulates BCWP when the documentation is completed.</p> <p>The remaining variance contributions are unchanged: Unscheduled ASIC design cost \$232k ACWP with 78k BCWP for (\$154k) variance. Additional effort in FEB design \$110k ACWP with 53k BCWP for (\$67k) variance. Additional effort for power distribution design \$39k ACWP with \$29k BCWP for a (\$10k) variance. Uninvoiced or accrued costs for vertical slice tests \$25k ACWP for \$79k BCWP for a +\$54k variance. Variance for management costs of \$0 ACWP for \$17k of BCWP contributing a +\$17k variance.</p>									
Impact:									
The effort in APD module R&D continues to outpace the budgeted effort. A change request may be needed to reflect this reality. The situation should continue to be monitored to determine if this is true.									
Corrective Action:									
There are no corrective actions implemented at this time. Continued report monitoring is required to track the trends of the different areas to determine where change requests may be required.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
A full accounting of the variances was completed in the last month's VAR. This has been used to show that there is one area that is contributing the variance for this period. This tracking will continue to determine where change requests may be needed as the trends are tracked over time.									
Prepared by: Leon Mualem				Date: 3/4/2009		Approved by:		Date:	