

**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		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					
<b>1.0.4 ANU Beam Physics</b>									
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	0	1,765	0	1,765	100%	1,765	100%	N/A	N/A
Cumulative:	29,373	32,360	0	2,987	10%	32,360	100%	1.10	N/A
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Completion:	82,092	50,014	32,078	39%	0.61	0.99			
Thresholds Exceeded: Current Period Schedule, Current Period Cost, Cumulative Cost									
Explanation of Variance/Description of Problem: In the baseline schedule, there is no work to occur in 1.0.4 in October due to worse-than-feared delays; however, we were able to start work early. Thus, work was performed in December which has caused a schedule variance. While work has been occurring on tasks in 1.0.4, it is mostly scientific, so the ACWP has remained at 0, thus there is a cost variance. In the future there will be M&S expenditures and engineering work that will produce ACWP, reducing the variance; however some of this engineering effort will be delayed to conform with the accelerator availability.									
Impact: The current schedule variance will persist until the scheduled start of the tasks. The cost variance will continue until the technical effort and M&S are spent; for one task the effort will have to be delayed because of accelerator availability. The cumulative variances will start to decrease when tasks are scheduled to start, and effort finished in them early.									
Corrective Action: The LOE task that has the bulk of the variance (1.0.4.2.16) will have to be split and delayed to conform to the availability of the Recycler for an instrument installation. This CR will be forthcoming, after some engineering work and some of the task are completed under the current task.									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s): This is the third month in which a VAR was filed. Most tasks have begun while not yet being scheduled to start, resulting in schedule variances. One task which will be delayed due to accelerator availability will be the subject of a CR, its engineering effort and M&S have not yet been expended, so the ACWP is 0.									
Prepared by: Bob Zwaska			Date: 2/25/2009		Approved by:			Date:	