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 Laborat	a. NAME		a. NAME NOvA Project	a. FROM (YYYYMMDD) 2009/03/01
b. LOCATION (Address and ZIP Batavia, Illinois	b. NUMBER		b. PHASE	b. TO (YYYYMMDD) 2009/03/31
	c. TYPE	d. SHARE RATIO	c. EVMS ACCEPTANCE (YYYYMMDD) NO X YES	

1.0.1 RR Upgrades

	BCWS	BCWP	ACWP	SV in $	SV in %	CV in $	CV %	SPI	CPI
Current:	483,699	129,437	119,009	-354,262	-73%	10,428	8%	0.27	1.09
Cumulative:	1,807,727	1,283,986	1,352,822	-523,741	-29%	-68,836	-5%	0.71	0.95
	BAC	EAC	VAC in $	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	5,248,666	5,312,189	-63,524	-1%	1.02	1.00			

Thresholds Exceeded: Current Period Schedule, Cumulative Schedule

Explanation of Variance/Description of Problem:

$210k of the schedule variance is caused by a series of tasks in the section 1.0.1.1.2 on kicker systems prototyping which are on hold due to resource constraints. The necessary resources are working to finish the off-project gap clearing kicker for the summer 2009 shutdown. $67k of the schedule variance is caused by resource availability for the ADC_W magnet redesign, which is not complete and hence we have not procured parts or started the power supply design (need to know the final magnet parameters). $39k of the schedule variance can be attributed to the 53 MHz RF design tasks, which are making progress but associated peg points are not expected to be linear in time while the BCWS is linear in time. Finally, there is $45k of schedule variance associated with the PDS magnet design task, which was complete in September 2008 so the positive variance in that time frame (see Oct 08 VAR) is now being reflected negative. The cumulative variance is a sum of the resource problem over the last two months.

Impact:

The kicker schedule is falling behind. However, as the schedule was not adjusted when the GCK was moved off project, it is hard to say how far behind. We will be ready to proceed with construction of the RR Inj kicker (same design) early.

Corrective Action:

Keep on top of GCK schedule and work to understand possible advances in the schedule due to this work.

Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):

$210k of the schedule variance is caused by a series of tasks in the section 1.0.1.1.2 on kicker systems prototyping which are on hold due to resource constraints. The necessary resources are working to finish the off-project gap clearing kicker for the summer 2009 shutdown. $67k of the schedule variance is caused by resource availability for the ADC_W magnet redesign, which is not complete and hence we have not procured parts or started the power supply design (need to know the final magnet parameters). $39k of the schedule variance can be attributed to the 53 MHz RF design tasks, which are making progress but associated peg points are not expected to be linear in time while the BCWS is linear in time. Finally, there is $45k of schedule variance associated with the PDS magnet design task, which was complete in September 2008 so the positive variance in that time frame (see Oct 08 VAR) is now being reflected negative. The kicker schedule is falling behind but as the schedule was not adjusted when the GCK was moved off project, it is hard to state clearly. We expect to understand better in the next few months as resources are freed up to work on the other kicker tasks.

Prepared by:	Date:	Approved by:	Date:
Paul Derwent	16-Apr-09		