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

1.5 PVC Module R&D

	BCWS	BCWP	ACWP	SV in $	SV in %	CV in $	CV %	SPI	CPI
Current:	280,623	23,729	83,722	-256,894	-92%	-59,992	-253%	0.08	0.28
Cumulative	1,109,819	574,021	1,124,776	-535,798	-48%	-550,755	-96%	0.52	0.51
	BAC	EAC	VAC in $	VAC in %	CPI to BAC	CPI to EAC			
At Comple	1,589,549	2,147,768	-558,219	-35%	2.18	0.99			

Thresholds Exceeded: Current Period Schedule, Current Period Cost, Cumulative Schedule, Cumulative Cost

Explanation of Variance/Description of Problem:

The schedule variance is caused by being about two months behind schedule in designing the manifold parts for injection molding. This was caused primarily by redesign needed to correspond to the capabilities of the injection molders for the raceways and manifold cover. This effort delayed the final design of the other manifold parts. The cost variance is caused by orders placed for injection molds for which parts have not yet been delivered. The module factory manager also is still being charged to this WBS line instead of the budgeted 2.5.4 line. Another known cost variance generated by an inconsistancy in how Minnesota and Fermilab charge vacation and sick days has not yet been corrected. The cost variance also includes the charge of truck rental being used for FSAP module storage at Argonne which was not budgeted. The cumulative cost and schedule variance has been addressed in detail in previous reports.

Impact:
The current schedule variance will likely cause a one month delay in beginning IPND module production. We do not expect this to cause a delay in IPND module completion at this time. The current cost variance will not add to the cost of the project except for the unbudgeted trailer rental for module storage at Argonne and the correction for an error in budgeting vacation and sick days for Minnesota labor.

Corrective Action:
The injection molding delay was caused primarily by unforseen technical factors in the injection molding plastic flow rates coupled with limited engineering resourses to design the parts. No corrective action is planned as the part design is progressing. The factory manager will be charged to the correct WBS item when the 09 Minnesota SOW is approved. The corrective action for labor rates is in process.

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

The schedule variance continues to be caused by delay in engineering the manifold parts and then initiating bidding procedures. We expect all parts to be through this process by the beginning of June. The impact will likely be a one month delay in module production.

Prepared by:	Date:	Approved by:	Date:
Ken Heller	5/7/2009		