
memorandum

DATE: April 21, 2004

REPLY TO

ATTN OF: SC-20

SUBJECT: NuMI Semiannual Review

TO: Daniel Lehman, Director of the Construction Management Support Division, SC-81

I would like to thank you for agreeing to chair the next semiannual review of the Neutrinos at the Main Injector (NuMI) project. The review is scheduled to be held on May 25, 2004, on-site at Fermilab. The purpose of the review is to examine the technical, cost, schedule, and management aspects of the project. A more detailed articulation of the questions that your review committee is to address in making these assessments is provided in the attached charge. I would appreciate it if you could provide a completed report of your review to me no later than July 9, 2004.

As you know, Phil Debenham, of this office, will serve as Executive Secretary to the review committee, consistent with his role as the program manager for this project. It is my understanding that you are working with him and members of the Fermilab staff to prepare for the review.

Again, I wish to thank you for agreeing to chair this review. I look forward to receiving your Committee's report.

[signed]

Robin Staffin
Associate Director
Office of High Energy Physics

Attachment:
Charge to Committee

cc:
A. Byon-Wagner, SC-20
P. Debenham, SC-20
L. Dever, SC-80
R. Lutha, CH/FERMI
J. Monhart, CH/FERMI
M. Procario, SC-20
D. Sutter, SC-20

S. Tkaczyk, SC-81
S. Webster, CH/FERMI

**Department of Energy
Review of the NuMI Project
May 25, 2004**

CHARGE to the COMMITTEE

This is the thirteenth Department of Energy (DOE) review of the Neutrinos at the Main Injector (NuMI) project. The review, which is being requested by the Associate Director for the Office of High Energy Physics, will consider the technical, cost, schedule, and management aspects of the project, as well as environmental, safety, and health (ES&H) issues. The last review was held in November 2003.

The project is currently more than 95 percent complete. Fermilab now has beneficial occupancy of all buildings, shafts, tunnels, and underground halls, and is installing the NuMI beam line (technical components) and the MINOS near detector in the tunnels and halls. Occupancy of the MINOS area occurred six weeks later than the laboratory had projected at the last review, resulting in a compressed installation schedule for that sector.

All installation is scheduled for completion in December 2004, to be followed by commissioning and then start of operations (CD-4) in February 2005. This would leave eight months of schedule float until the September 30, 2005 baseline date for CD-4. However, delays in CD-4 beyond February 2005 would also increase the cost to complete the project and would consume contingency funds. The laboratory and the DOE project office therefore need to develop a technical, cost, and schedule “end-game” plan to complete construction and make a transition to operations.

The review committee is asked to address the following points:

1. Assess the project’s response to the comments and recommendations of the last review committee.
2. Evaluate the project end-game plan to achieve CD-4 on the stated date with appropriate ES&H performance.

A written report on the review is due to the Associate Director by July 9, 2004.