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October 31, 1997

Mary Page
US Department of Energy
Fax: (202) 5864883

Dear Ms. Page:

I present the first-year progress report concerning EMSP grant (DOE# DE-FG07-96ER62312), "Construction of Bending Magnet Beamline at the APS for Environmental Studies." This progress report covers the period from September 1996 through September 1997.

The items that were accomplished during this period are:

1. Preparation and submission of the preliminary design report for the bending magnet beamline.
2. Construction of the first optical enclosure (FOE) hutch for the BM beamline and ordering of the installation of utilities. In addition to the FOE hutch, we have started construction on the experimental hutch, although this is being supported by other funds.
3. The package has been ordered for the shutter assembly and monochromator for the bending magnet beamline, consisting of the monochromator, white beam stop, and bremsstrahlung stop, all integrated on a table.
4. The beamline scientist for the bending magnet has been hired and is active on design and construction activities.

In summary, the construction of the bending magnet beamline is proceeding as scheduled. We have obtained additional funding necessary to complete

construction of the beamline and, according to our estimates, this additional funding plus the funding from the EMSP grant should allow us to complete construction of the bending magnet beamline during the three-year tenure of this grant.

Sincerely,

A handwritten signature in black ink that reads "Edward A. Stern". The signature is written in a cursive style with a large initial 'E' and 'S'.

Edward A. Stern
Professor
Director of PNC-CAT

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