



June 15, 2007

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Attention: Mr. Brian W. Sheron, Ph.D., Director
Office of Nuclear Regulatory Research

Subject: Pre-Application Planning for Manufacturing License for the Hyperion Hydride Nuclear Reactor "Battery" Design.

Dr. Sheron:

Thank you for the opportunity to meet with the representative from your office, John Jolicoeur, at our May 30, 2007 drop-in meeting with David Matthews to discuss pursuing a Manufacturing License for the compact, self-regulating nuclear reactor design (about 80 MW) known as Hyperion. We are licensing the Hyperion hydride technology from Los Alamos National Laboratory for development and commercialization, where a portion of the simulation and modeling work will continue.

After only discreet and minor communications with possible users in our original target market - the oil shale and oil sands industries - it appears that the Hyperion design would be in great demand. Also, the one prospective "community power plant" user that has heard of Hyperion, has been impressed enough to have its government's legislature write a formal request to begin discussions on acquisition and installation. These initial indications of acceptance, along with our belief in the Hyperion technology, leads us to request the continuation, on a formal basis, of pre-application discussions with the Office of Nuclear Regulatory Research to ensure that our ultimate manufacturing license application is as complete and sound as possible.

We propose that the first phase of these meetings would encompass the scope, depth and desired outcomes of the pre-application issues to be addressed, such as, but not limited to, the establishment of schedules and protocols for deliverables, and the identification of resources and budget. We expect the second phase would include focused technical exchanges on the previously identified list of issues and NRC documented positions on the approach to each issue. As of today, we are not yet in a position to propose a timeline or length for these phases as we are still completing arrangements for the various testing and modeling exercises that we know must be completed. Of course, we look forward to your feedback on the scope of the pre-application work we propose.

Dr. Sheron, we realize that a pre-application review of the Hyperion reactor design is not included in your work budget and scope for the upcoming year. However, we do appreciate any and all time and input that your office can provide to keep the project moving toward completion of this initial application.

We would like to propose a first meeting in August 2007 to begin early interaction with the staff. I may be contacted at Deborah@purplemountainventures.com or 407-774-1505. Thank you for your consideration.

Sincerely,

Deborah Deal Blackwell
Project Manager
Hyperion Power Generation, Inc. (HPG)

cc:

Mr. David Matthews, NRC/NRO
Mr. Thomas Kenyon, NRC/NRO/DNRL
Mr. John Jolicoeur, NRC/RES
Mr. John McKirgan NRC/NRO
Ms. Ellen Poteat, NRC/OCFO/LFT
Mr. Dirk McDermott, Altira Group
Dr. Otis Peterson, LANL
Mr. John R. Grizz Deal, HPG