



**Department of Energy**  
Thomas Jefferson Site Office  
12000 Jefferson Avenue  
Newport News, Virginia 23606

February 15, 2007

Dr. Christoph W. Leemann  
President and Laboratory Director  
Jefferson Science Associates, LLC  
Thomas Jefferson National Accelerator Facility  
12000 Jefferson Avenue  
Newport News, VA 23606

Dear Dr. Leemann:

**FY 2006 PERFORMANCE EVALUATION REPORT OF JEFFERSON SCIENCE ASSOCIATES, LLC**

Enclosed is the FY 2006 Thomas Jefferson Site Office (TJSO) Performance Evaluation Report of Jefferson Science Associates, LLC (JSA). The purpose of this report, as outlined in Appendix B to the contract, is to highlight the TJSO evaluation of JSA's FY 2006 performance from June 1, 2006 through September 30, 2006 at the Thomas Jefferson National Accelerator Facility (JLab).

The Laboratory received a rating of "A" in the Science and Technology performance area and a rating of "A-" in the Management and Operations performance area for this period in FY 2006. Accordingly, a fee of \$1,002,333 is awarded. The Laboratory is to be commended for the FY 2006 accomplishments outlined in the enclosed report as well as in JSA's Self-Assessment report.

Some of the significant achievements between June 1, 2006 and September 30, 2006 were:

- The 2006 Science and Technology review of the JLab found that the quality and the productivity and significance of the research program is outstanding. Recent results include the completion of experiments to determine the electromagnetic form factors of the proton and neutron. These data, along with the soon to be completed parity violation electron scattering experiments G0 and HAPPEX III, will allow JLab to complete one of the major milestones of the medium energy program: the determination of the flavor separated nucleon form factors out to a  $Q^2$  of 4 (GeV/c)<sup>2</sup>.
- The 12 GeV Upgrade Project completed important reviews critical to the success of the project such as the June 2006 "Lehman" Review, design/safety review of Hall D civil construction, value engineering reviews, design safety review of the cryomodule design, and the superconducting spectrometer magnet review. Planning and R&D efforts continue to support the path forward to CD-2.

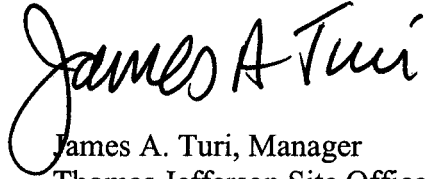
- JSA made great strides to improve upon the Lab's business management systems through: development and implementation of a project-based work breakdown structure system; development of an Annual Work Plan; development of an integrated management system (JLab Insight) to improve the integration of performance and operational data for more informed and timely decisions; and a reorganized laboratory structure to address operational inefficiencies and to improve Laboratory management and leadership.
- Jefferson Lab's Free Electron Laser holds the world's record for average power levels and on October 30, 2006, reached a new record of 14.2 kilowatts of cw light at 16 microns.

Some of the challenges facing JSA and the Laboratory in FY 2007 are:

- Developing and implementing an effective and efficient research and operations program given a year-long continuing resolution.
- Enhancing worker safety at JLab to meet the Department's performance expectations. Ensuring Integrated Safety Management (ISM) principles are implemented across the site, including emphasis on JLab's oversight of subcontractor work. Applying the necessary cultural and organizational changes needed to achieve a safe work environment for all JLab workers and visitors.
- Improving the Laboratory Self Assessment Program to ensure consistently high quality self assessments. Timely preparation and close-out of corrective action plans will need continued attention.
- Enhancing the Cyber Security Program to keep pace with evolving cyber threats will be needed.
- Investigating efficiency initiatives to improve productivity, and to contain and, where possible, reduce costs.
- Enhancing the Lab-wide Quality Assurance Program to meet Department expectations of a world-class program that uniformly handles the way in which activities and processes are reviewed and managed.
- Continuing emphasis on a comprehensive Internal Audit program and on the effective engagement of JSA, SURA and CSC in providing laboratory leadership and stewardship.
- Moving forward with the 12 GeV Upgrade and FEL Upgrade Projects, with particular attention to meeting technical, cost and schedule baselines and key milestones, while satisfying National Environmental Policy Act (NEPA) requirements.

As outlined in Appendix B, we have discussed this report with selective members of your staff in order to present items as fairly and objectively as possible. If you have any questions or require further information please do not hesitate to contact me at (757) 269-7142.

Sincerely,



James A. Turi, Manager  
Thomas Jefferson Site Office

Enclosure

cc w/enclosure:

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