

Jefferson Lab Weekly Briefs

September 19, 2007

Limited Power Onsite Sept. 29-Oct. 1

JLab will experience a near-facility-wide power reduction/outage from 5:00 a.m. Saturday, Sept. 29 - 7:00 a.m. Monday, Oct. 1. All facilities except the VARC and the ARC will be impacted. Before leaving work on Friday, Sept. 28, please turn off and unplug electrical components (personal computers, UPS units, printers, copy machines, etc.). Leave refrigerators/freezers plugged in and make sure all refrigerator/freezer doors are tightly closed. For more information, see the [full notice](#).

12 GeV Upgrade

An External Independent Review (EIR) of the 12 GeV Upgrade Project was held last week by the DOE Office of Engineering and Construction Management (OECM). This major review is the next step leading to Critical Decision 2 (Approve Performance Baseline). The 12 GeV Project team presented to the five-member review panel the documentation delineating the information and processes used to establish the project costs and schedule, as well as assessments of hazard and risk, and management processes and procedures. During the outbrief, the panel commended the “qualified and capable project team” who has “extensive experience with the technology,” and concluded that “it is highly likely that the project can be successfully executed once the baseline is validated.” Work has already begun on the three actions identified during the outbrief which must be addressed prior to baselining. A draft review report will be available in about 2 weeks. CD-2 Approval is anticipated before the end of the year.

• JLab's Safety Numbers (Sept. 19, 2007)

319 Days since Last Recordable Accident (JLab Record: 319) Congratulations, everyone!
319 Days since Last Lost Workday Accident (JLab record: 455)

Environment, Safety, Health & Quality

According to the Consumer Product Safety Commission (CPSC), over 33 million Americans are injured by consumer products in the home each year. The CPSC noted the “Top Five Hidden Home Hazards” are magnets, recalled products, tip-overs, windows/window coverings, and pool/spa drains. Many toys and pieces of jewelry have rare earth magnets that present a choking threat to children. In 2006, furniture and television tip-overs caused 31 deaths, and window covering cords are responsible for about 12 deaths annually, while over 3,700 injuries resulted from falls from windows. Finally, the suction from pool/spa drains can trap children’s bodies or entangle their hair in the drain opening. Visit the [CPSC Web site](#) for more home hidden hazard information.

• CATS Enhancement

A recent enhancement to the Lab Corrective Action Tracking System (CATS) entry process is now operational. A spell check capability is now available for use prior to adding an issue/corrective action statement. Before clicking the "Save Changes" button, click the "Spell Check" button. Also, remember that a CATS administrator may make edits of saved text upon request by the author. For CATS assistance or training, contact Bob Doane at x6380 or bobdoane@jlab.org

Physics

CLAS detector maintenance is complete, and reconfiguration of the backward angle time of flight counters is near completion. Installation of the Frozen Spin Target (FROST) has begun. Start counters are installed and surveyed. FROST testing last week was successful: targets were polarized and relaxation times were measured at different conditions. The only remaining issue is the maximum current on the holding coil, which will be worked out separately. FROST will be moved to the Hall this week.

Accelerator

Interlock checks of the injector were completed. The bakeout of the gun 2 superlattice was finished; then it was activated. Commissioning work continued on cryomodule NL04.

Cooldown of SL04 was completed. Preparations for commissioning SL16 were begun. Magnet supply MARC1 was returned to service and certified by Personnel Safety System staff. The main contactors on MARC2 and MARC4 were replaced after troubleshooting. These were certified as well during a swing shift.

Accelerator alignment checks proceeded around the arcs at a productive pace, so this work is going very well. The 10 Megahertz (Mhz) reference source has a low output and will be investigated. The Central Helium Liquefier tripped, prompting replacement of the turbine # 2 inlet valve positioner.

Free-Electron Laser (FEL)

Preparations for the gun vacuum bake continued this week with final alignment and pumpdown. The gun test stand gun is under vacuum with a new gallium-arsenide (GaAs) wafer installed. The RGA spectrum shows a very clean system with water peak in the mid 1E-8 Torr range. The overall pressure is in the low 1E-8 Torr, even before the bake.

Computing and Networking Infrastructure

The IT Division's on-site Systems Testing & Evaluation (ST&E) for Cyber Security is complete, and we have received excellent feedback from our reviewers. A computing maintenance period is set for this Thursday to resolve issues identified during the evaluation. Expect a central computing outage 5 - 10 p.m. Thursday, Sept. 20.

During any cyber-security review, the reviewers attempt every known method to obtain the password file from central systems. Reviewers did obtain a copy of the password file. Best business practice requires that every computer account holder change their password after such an event. If your most recent password change was before 5 p.m. Friday, Sept. 14, you will

receive e-mail notification that you must change your password by 10:15 a.m. Oct. 9.

Announcements

JLab Public Areas

The lobby, cafeteria, auditorium, conference rooms, hallways, and restrooms in CEBAF Center are designated as "public areas" during core business hours. Anyone without a JLab ID badge must enter CEBAF Center using the main entrance. During business hours, visitors do not have to sign in or show ID. Receptionists or designates will assist visitors. Individuals with a JLab badge may use their personal badge to enter the electronically controlled doors at the building's wings. All staff and Users are reminded to direct all non-badge holders to the main entrance.

• JLab welcomes new travel agent

On Sept. 18, Lisa Gelhaar, a CI Travel/American Express corporate travel consultant with more than 11 years experience, took over as JLab's in-house, [business travel](#) agent, assuming the position previously held by Linda Waynick. Lisa can be reached at x7269 or lgelhaar@cittravel.com.

• New Parking at Newport News Airport

The Newport News/Williamsburg Airport has restructured its parking lots and fees with the recent opening of its new garage. The parking garage/long-term rate is \$2/hour or \$10 max per day. The surface lot/long-term rate is \$1/hour or \$5 max per day. JLab will reimburse the surface lot/long-term parking rate of \$5 max per day. Any parking cost incurred over that amount will require a written justification for consideration.

• JLab 2007 Fall Golf Tournament

[Entry deadline is Friday, Sept. 21](#). The tournament will be held on Thursday, Sept. 27, at the Williamsburg Country Club.

JLab Calendar of Events

Sept. 20-Oct. 1: Limited Power Onsite
Oct. 10-13: [DNP 2007](#)
Oct. 14: Columbus Day
Oct. 24: JAG Fall Event: Oktoberfest