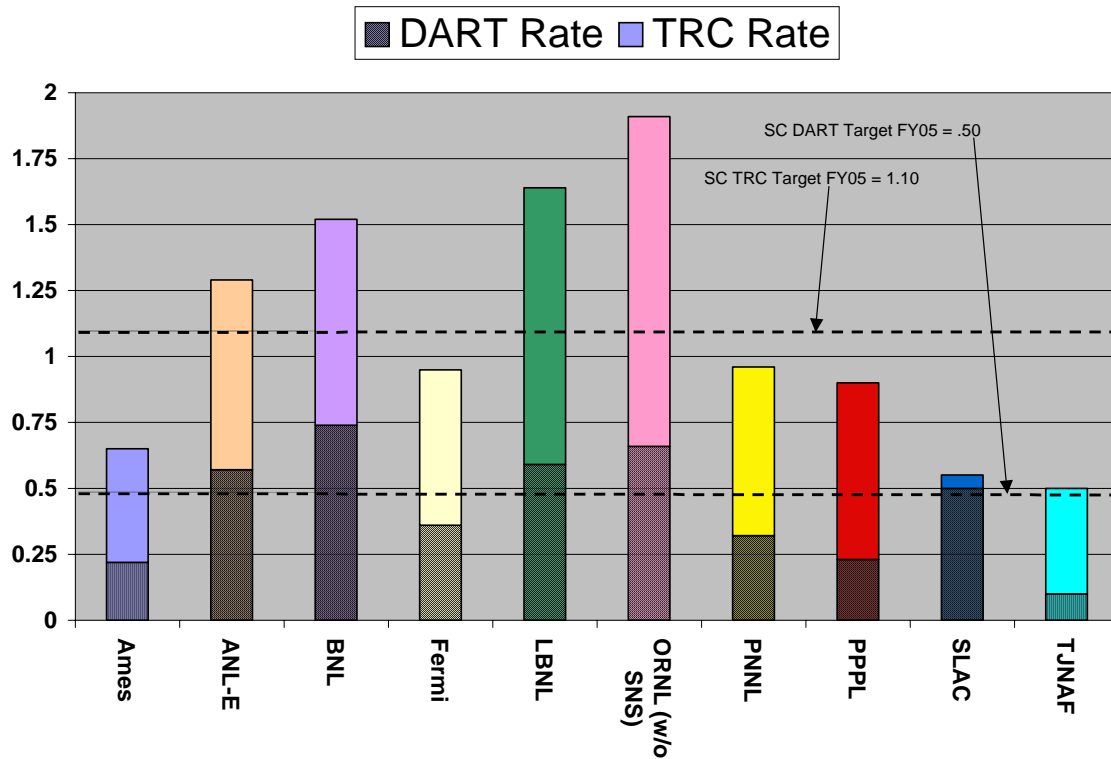


**Jefferson Lab Environment, Health and Safety Report to
the SURA Board of Trustees
November 2005**

- TRC (Total Recordable Cases) and DART (Days Away, Restricted or Transferred cases): JLab's FY05 results for these two important SC metrics were outstanding. Not only did we exceed Office of Science's (SC) aggressive FY07 goals, but also we had better results than any of the other 9 SC labs.



These are preliminary FY05 results as reported by the labs. In addition, during this FY JLab reached over 1 million hours of work without a lost time injury.

- Organizational changes to improve safety performance
 - Craig Ferguson hired as Associate Director for Safety
 - Centralized EH&S Division effective September 2005
 - New Director's Safety Council meets weekly for senior managers to collectively address safety matters
 - New Workers Safety Committee provides the Lab Director and senior management safety feedback from "the floor"
- New Assessment and Issues Management Programs

- Both the management and independent assessment procedures have been revised to strengthen the program for continuous improvement. Implementation is in progress.
 - A lab-wide centralized issue tracking system has been established to document and track significant issues whether identified internally or externally.
 - The newly established, independent Senior Safety Advisory Council conducted an Integrated Safety Management System and Work Smart Standards process assist visit in September. No significant worker safety/health or environmental findings were noted. JLab is following up on several opportunities for improvement.
- Electrical Safety
 - Electrical Safety remains a hot topic in the Department of Energy.
 - An Electrical Safety Improvement Team was chartered in December 2003, almost a year before the SLAC (Stanford Linear Accelerator) accident. Recommendations from this team have been incorporated in JLab work processes.
 - All recommendations from the DOE Office of Science Energized Electrical Work Review Team have been completed.
 - EH&S Manual electrical safety chapters have been revised to incorporate NFPA 70E requirements.
 - Over 130 JLab staff and subcontractors have received NFPA 70E training.
 - Manipulative energized electrical work requires Director approval and Christoph has indicated that he foresees no situation at JLab for which he would give that approval.
- Materials Handling (MH) Safety
 - New Materials Handling Safety Subcommittee formed in response to recommendations from MH Safety Improvement Team chartered by the Director.
 - MH equipment now centrally managed.
 - Older equipment is being excessed and MH equipment fleet is being downsized.
 - Training and licensing procedures are being strengthened.
- Laser Safety
 - An independent internal assessment of the Lab's laser safety program was completed with identified opportunities for improvement being implemented.
 - DOE conducted a laser safety surveillance, which resulted in no findings, some noteworthy practices and observations for further improvement.
- Environmental Management System (EMS)
 - Implementation of a Lab EMS (required by Executive Order 13148) is in progress. The EMS will be in place by year's end.

- Site-wide EMS awareness training took place in late summer.
 - By November 20, 2005 SURA will self-declare that the JLab EMS is in place.
 - DOE follow-up verification is scheduled for the week of December 5
 - Storm water pond to control runoff was completed in the summer of '05.
- Emergency Management
 - Aggressive snow clearing and judicious use of late openings resulted in no winter weather related recordable injuries.
 - Tabletop exercise involving "suspicious package" included 2 members of the Newport News city police force.
 - Emergency generator was installed to maintain insulating vacuums in accelerator and delay loss of helium in the event of a prolonged power outage.
 - Successful biennial peer review - 99%, "outstanding".