

Minutes of the Physics Division ES&H Committee  
March 10, 2008

Attendees:

F. Rosado, M. White, J. Kadyk, R. Kadel, N. Palaio, H. Speiler, C. Thompson, J. Emes, B. Wells, A. Spadafora, S. Loken, N. Landau

Misc. Issues

- B50 R6005 has been cleaned out and equipment moved to 70A
- N. Palaio has some new/revised ANDS coming through
- JHQ stats are down to 76%; Not alarmed as JHA change over will begin soon (03/11, for PH)
- Training is at 85%
- Three open CATS items; None are overdue (One is a Facilities issue, the others are cracked windows)

Daya Bay (Bill Edwards and Kam-Biu Luk)

- Underground neutrino experiment in Southern China
- US/China 50/50 collaboration
- Hazard analysis document has been assembled
- ISM plan is now in place
- Some hazards
  - o Heavy Lifting
  - o Underground
  - o Flammable gases
  - o Liquid nitrogen
  - o Oxygen deficiency
  - o Some electrical hazards
  - o Very weak sealed sources
  - o Some acetone use
  - o Experiment is held at a very powerful nuclear reactor complex

Daya Bay (cont'd)

- o Who's in charge of safety? Hirshen Chen – Director of High Energy Physics, Beijing
- o USA rules, regulations and equipment at a Chinese facility – Does this raise concerns?
- o LBNL and BNL are involved in setting safety standards and giving direction
- o If the Chinese regulations are higher than USA, we must increase our standards
- o There is no equivalent to PUB-3000 in China
- o LBNL will make sure that LBNL employees adhere to US standards
- o Important to not allow cutting corners or compromising when the rules and standards between the two countries do not agree
- o ISM plan was designed and signed by both groups
- o Marty White is the safety liaison for Daya Bay
- o Bill Edwards is the main safety person (US) for Daya Bay
- o 20 meters deep, 3km wide (“Shelter in Place” area with food and water)
- o Employees get around via golf cart or on foot
- o Maximum number of Americans on-site are about 30
- o Still a year away from occupying tunnels
- o Trying to incorporate “Stop Work” policy
- o Training is required before anyone is allowed on-site
- o Training courses will be based on USA standards
- o Engineers, management, and scientists in China are very cooperative

