

**APS Laser Safety Committee Meeting #4**  
**September 19, 2005**  
**10:00 AM, Room B2100**

**Present:**

Jeff Alicz	(XFD-ADM)
Dale Brewe	(PNC/XOR)
Elroy Chang	(AOD/ADM)
Jim Lang	(ASD-ADM)
Yuelin Li	(ASD/PHY)
Yue Meng	(HP-CAT)
Bruce Murdoch	(EQO/IH)
Nancy VanWermeskerken	(CHM)

**Minutes:**

The meeting began with Bruce Murdoch notifying the APS Laser Safety Committee about an OSHA requirement to have safety procedures for the handling of toxic gases in use with laser installations. The LSO asked if there were any excimer laser systems at the APS. Elroy replied that UNI-CAT has an excimer laser system that uses fluorine gas. An evaluation for the adequacy of in place safe guards needs to be done. A hazard analysis would include some of the following parameters:

- Ventilation requirements
- The necessity for toxic gas monitoring
- Specific compressed gas handling procedures appended to the current laser SOP
- To purge, fill, and vent gases used in operations to leave the system in a safe condition
- Identification of safe gas distribution lines i.e. vented jacket liner over gas distribution line

Yuelin Li provided 2 handouts of the on the job training laser alignment module. There was discussion on minor edits and format issues to improve the applicability of the document by all members present. A request was made for a live class to provide guidance on how to train laser alignment personnel using the OJT training checklist. The committee decided the documents were of sufficient quality to turn the program into an ESH course. The OJT training project is now the responsibility of EQO and Training Management System.

An announcement was made by Bruce Murdoch stating that Dr. Stalker may eliminate the requirement for laser eye examinations for non-ANL employees and contractors. The elimination of the laser eye examination requirement may happen in year '06. A visual screening process may be put into place for ANL employees. The interpretation is that the visual screening process would provide pertinent information to the laser users' visual health.