

New 10CFR835 common Efforts:

- New weighting factors affects the internal dosimetry; raises thresholds. For example actinides and lower weighting factors, e.g. bone 0.03→0.01.
- DOELAP
 - o Any discussions with DOELAP,
 - ANSI standard 13.X coming out. Will affect DOELAP
 - o RPP will state coordination with DOELAP
 - o Problems with waste dose limits. WIPS may change before DOE labs(??)
 - o Problems, with DOT compliance (.???)
- Per Peter O'Connell suggested : Preliminary start changes in RPP will be more restrictive
 - o However, DAC for some radioactive air emissions is larger in new Tables.
 - o ORNL will do a dual system; new and old dosimetry system for 2008.
 - o ANL will phase in, make sure there are no cross ref. conflicts.
- RPP has documented evidence section or matrix on how will comply or direct connection of RadCon manuals to CFR835
- How new Wr's affect shielding calculations
 - ASO requires having a shielding policy
 - RPPs can be like a license application, not necessarily a line by line "affirmation" of each provision. A more useful format and content can be chosen.
- This may require revisiting the shielding assessments.
- New ICRP Wr's may be implemented if significant dose
- NRC dose vs. DOE doses?
 - o Pete O'Connell, will not change NRC doses.
- Litigation make be affected
- Neutron instrumentations
 - o Rem-ball or Snoopy
 - New spectra measurements to recalibrate
 - If fluence spectra measurements are available, will try to recalculate
- For calibration of spectra FNAL will start best AmBe spectrum available.
- Appendix E values
 - o No significant change
 - o Used for trackable sources criteria
 - o Not used as release criteria from radiological areas
 - o Documents of interest:
 - MicrosoftWord version of 10CFR835
 - www.hhs.doe.gov/HealthSafety/WSHP/radiation/rule.html
- ICRP 60 (methodology)
- ICRP 68 (air DAC)
- For air immersion radioisotops with $t_{1/2} > 2$ hrs go to inhalation table
- Sites operated by several-contractors issues
 - SLAC, FNAL, BNL don't have any

Not an accelerator lab issue

- Implementation over three years is the major job.
- Radiation Protection Workshop sponsored by HSS
Late Nov. 2007 at Forestal building