



NATIONAL COUNCIL ON RADIATION PROTECTION AND MEASUREMENTS

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AGENDA

**Meeting of Program Area Committee 2
Operational Radiation Safety
Wednesday, July 18, 2018; 1:00 pm EDT
Room 11
Huntington Convention Center
Cleveland, OH**

1:00 PM	Welcome	Pryor
1:05	Status of Report No. 182, Radiation Safety of Sealed Radioactive Sources	Pryor/Held
1:30	Revision to Report No. 127, Operational Radiation Safety Program	All
2:30	Writing assignments and timeline	All
3:00	Adjourn	All

Attendees: Ed Bailey (phone), Eric Goldin, Barbara Hamrick (phone), Kathy Held, Mike Littleton (phone), Dave Myers, Kathy Pryor, Debra Scroggs, Kathy Shingleton, Glenn Sturchio, Jim Willison, Jim Yusko

Not Attending: John Frazier, John Poston, Chris Donahue, Josh Walkowicz

Discussion topics/Issues:

1. Status of Report No. 182, Radiation Safety of Sealed Radioactive Sources

Kathy Held provided an update on Report No. 182 (SC 2-7). The final report is with John Boice for the last review. Once that review is completed, it is a relatively quick process to publish the report in pdf form. She also reminded the committee that recommendations should not be disseminated until the report is published.

2. SC 2-8 draft report

The committee discussed possible outlines for the revision to Report No. 127 (SC 2-8). The table of contents from Report No. 127 and the Department of Energy (DOE) Radiological Control Standard were reviewed. The committee agreed that there were additional program elements that should be

added to the revision that were not covered in Report No. 127, including work planning/authorization and control (hazard identification, analysis and specification of controls), radioactive material use and control and radiation generating devices (RGDs). The committee also discussed how to address application of a basic operational radiation safety program in various occupational settings. We agreed that specific occupational settings should be addressed in appendices to the report and should provide examples regarding application of program elements to these settings. Topics that are already addressed in NCRP reports could be briefly discussed and then the other reports would be referenced.

Program elements to address in the body of the report included (not necessarily in the order shown below):

- organization, management and administration of a radiation safety program
- training and qualification (Report No. 134 for workers, training and qualification of Radiation Safety program staff)
- numerical protection criteria (dose limits)
- facility design considerations (includes application of ALARA principle)
- work planning, authorization and control/ALARA (including integration of rad hazards with other hazards in the workplace)
- radioactive material use and control (including contaminated equipment/items, sealed sources)
- radiation generating devices
- radiological support services – external/internal dosimetry, respiratory protection, radiation instrumentation, counting laboratories
- exposure to the public from facility operations (acknowledgment of the need to consider exposures to nonhuman biota if applicable)
- radioactive waste management
- emergency planning

Records would probably be integrated into each section as applicable.

The committee discussed occupational settings that should be included (not a complete list at this point):

- medical health physics programs (including patient caregivers in nursing homes)
- large accelerator facilities
- industrial radiography
- sterilization facilities
- well-logging
- university/research facilities
- power reactors
- decommissioning/cleanup sites

The committee also discussed the need to identify a technical expert in radiation instrumentation and calibration to help us develop this topic in the report.

Path Forward:

A subgroup of PAC 2 will develop a strawman report outline by early September 2018. This will be distributed to the full committee for review and comment. We will schedule a teleconference to discuss the outline in October with the goal of having a report outline by the end of the year.

Summary of Actions:

1. Kathy Pryor, Kathy Shingleton and Dave Myers will develop a strawman outline for the report. **Due: September 5, 2018.**
2. Kathy Pryor will distribute the strawman to the full committee. **Due: September 7, 2018.**
3. Kathy Pryor will schedule a teleconference with the full committee to be held in early October or November 2018. **Due: September 30, 2018.**