

NCRP SC 1-16 Meeting

October 22-23, 2009

**NCRP Headquarters
7910 Woodmont Ave, Suite 400
Bethesda, Maryland**

AGENDA

Thursday – October 22, 2009

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|-------------------|---|
| 8:30 - 9:00 a.m. | Present status to date |
| 9:00 – 10:00 | Discuss revised report outline |
| 10:00 – 10:20 | Break |
| 10:20 – 12:00 | Discuss the agreed upon sections of the report using what is in hand and what is needed |
| 12:00 noon | Lunch at NCRP |
| 1:00 – 3:00 p.m. | Discuss the agreed upon sections of the report (continued) |
| 3:00 – 3:20 | Break |
| 3:20 – 5:00 | Discuss the agreed upon sections of the report (continued) |
| 5:00 | Adjourn |

Friday – October 23, 2009

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|-------------------|--|
| 8:30 – 10:00 a.m. | Discuss next steps at length, review writing assignments, and time line for completion of draft sections of the report |
| 10:00 – 10:20 | Break |
| 10:20 – 12:00 | Discuss next steps, writing assignments, resource needs, possible consultants to the committee, and time of next meeting |
| 12:00 | Adjourn |

Lunch at NCRP

SC 1-16 Meeting Minutes
Meeting dates: 10/22/2009 to 10/23/2009
Meeting location: NCRP headquarters

Meeting attendees: **Chairman:** J. Preston. **Members:** J. Boice, A. Brill, R. Chakraborty, R. Conolly, R. Hornung, D. Preston (teleconferenced). **Advisors:** C. Land. **NIOSH Contact:** B. Ulsh. **NCRP:** T. Tenforde (President), M. Miller (Staff Consultant).

A revised meeting agenda, which had been circulated to the Committee, was used to direct discussions. It pertained to an earlier listing of draft report section topics, including cancer, noncancer, and heritable effects. The objective of the meeting was to review each of the approximately ten sections in terms of material (topics, subtopics, etc.) to be included within a draft report and to make writing assignments for the committee members.

Dr. Tenforde opened the meeting with a welcome to the committee, and encouraged everyone to move quickly on the forthcoming assignments. Chairman Preston's initial remarks to the committee seconded Dr. Tenforde's concerns and emphasis for action. The first meeting day was spent discussing each of the ten section topics, which were reduced to nine (listed below). The second day involved further discussion and resulted in section writing assignments for designated committee participants (as follows below);

1. Introduction to Uncertainty in Risk Analysis for Radiation-induced Cancer, Noncancer, and Heritable Effects **Authors : C. Land, O. Hoffman.**

Subtopics/Authors:

Uncertainty in genetic/heritable effects, genomic instability: **R. Chakraborty**

15 Nations Study, Miner Study, UNSCEAR document: **J. Boice**

Noncancer Effects: **A Brill**

A-bomb analyses: **D. Preston**

Breast cancer: **D. Preston**

Radon: **R. Hornung**

Notation: subtopics are to be introduced here, but with subsequent elaboration below.

2. Sources of Uncertainties in Major Radioepidemiological Cancer Studies (with an earlier identification in Section #1. Subtopics and **Authors**

(1) Breast Cancer: **D. Preston.**(develop an intro paragraph for this section)

(2) Occupational Studies: **J. Boice** (limited number, short description, BEIR VI, nuclear energy population, of 15-nation study, three are strong)

(3) LSS, Mayak, possibly others: **D. Preston** (include illustration)

(4) Radon: **R. Hornung** (UNSCEAR), Meta-analyses vs. pooled analyses.

An objective for each subsection is a description of the "uncertainty" inherent within each subsection. Notations from Discussion: (1) there are two prior NCRP Reports on Uncertainty (A. Brill). (2) We need to add subjective aspects of uncertainty (C. Land). (3) RERF risk assessments have high uncertainty but we need to look at reducing uncertainty (A. Brill). (4) Is dose the major uncertainty (J. Preston)? Can we identify how these aspects of uncertainty impact the variance (or "error term") of calculated risk? (A. Brill).

3. Uncertainties in Risk Estimates Derived from Epidemiological Studies. Author: **D. Preston** (to include risk transfer).

4. Uncertainty in the Application of Risk Estimates to Radiation Protection Standards. Author: (an authority to be appointed to committee). Chairman Preston to request an additional consultant or advisor for this task (suggest Keith Eckerman). The problem here is the interface between information and its application.

5. Uncertainty in the Application of Risk Estimates to Probability of Causation/Assigned Share. Authors: **C. Land, O. Hoffman.**

6. Utility and Limitations of Animal and Cellular Data in Support of Epidemiological Studies – Biomarkers and Mechanistic Information. Author: **Gayle Woloschak** (lead author). With assistance from: **R. Conolly**, **Bruce Carnes** (to be approached by J. Preston), and also **J. Preston**.

7. Identification of New Epidemiological Data for Assessing Uncertainty in Risk Estimations. Author: **J. Boice**.

8. **Noncancer {Former B}** Authors: **A. Brill** (**J. Preston** to provide write-up on LSS, major studies).

9. **Heritable Effects {Former C}** Author: **R. Chakraborty**

Deadline: 1 February 2010. Be early, not late (please). Most requests attention to NCRP format issues with each write-up (see NCRP Style Guide or consult a recent NCRP Report).

Future Considerations: Once sections have been completed, the committee needs to prepare a section on Conclusions and Recommendations (M. Miller).