

UNITED STATES NUCLEAR REGULATORY COMMISSION ADVISORY COMMITTEE ON NUCLEAR WASTE AND MATERIALS WASHINGTON, D.C. 20555-0001

March 18, 2008

AGENDA 188th ACNW&M MEETING APRIL 8-10, 2008

TUESDAY, APRIL 8, 2008, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

WORKING GROUP ON THE EFFECTS OF LOW RADIATION DOSES SCIENCE AND POLICY (Open)

Purpose

The objectives of this Working Group Meeting are: (1) to discuss the Linear Non-Threshold (LNT) theory in light of current health physics, medical theory and cohort databases; (2) to review uncertainties about the presence or absence of health effects at low doses; (3) to examine the balance of science and policy in regulatory practice; (4) to discuss possible alternative approaches to the LNT theory in regulatory practice; and (5) to develop the information necessary to provide a letter report to the Commission.

1)	8:00 – 8:05 A.M.	Greetings and Introductions (MTR/NMC)
		Dr. Michael Ryan, the cognizant ACNW&M Member for this
		meeting topic, will provide an overview of the expected goals for
		the Working Group Meeting, the planned technical sessions, and

introduce the invited speakers.

2) 8:05 – 8:25 A.M. Opening Remarks by NRC Commissioner Peter B. Lyons

SESSION I: The State of the Science

3)	8:25 – 9:15 A.M.	The Linear Non-Threshold Theory (LNT) – Is it Time to Consider a
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Change in Regulatory Policy?

Keynote Speaker: Professor Kenneth L. Mossman, Arizona State

University

4) 9:15 – 10:00 A.M. <u>National Council on Radiation Protection (NCRP) Perspective on</u>

Important Issues in Understanding the Biological Effects of Low

Radiation Doses

Dr. Thomas S. Tenforde, President, NCRP

10:00 - 10:15 A.M. ***BREAK***

5) 10:15 – 11:00 A.M. Results from DOE's Low Dose Radiation Research Program –

What Does it Tell Us About the LNT Hypothesis?

Dr. Mary H. Barcellos-Hoff, Lawrence Berkeley National

Laboratory

6)	11:00 – 11:45 A.M.	Estimation of the Carcinogenic Effects of Low Doses of Ionizing Radiation – Insights about the LNT Hypothesis Dr. Bernard Le Guen, Nuclear Plant Operations, Electricité de France; President, Health and Research Section, French Radiation Protection Society
	11:45 – 1:00 P.M.	***LUNCH***
7)	1:00 – 1:30 P.M.	Overview of Uncertainties in the Estimates of Low-Dose Effects Dr. Charles Land, National Cancer Institute
8)	1:30 – 3:00 P.M.	Panel Discussion on Session I ACNW&M Chair, Mike Ryan, will lead a panel discussion with the invited subject matter experts on the topics presented during this session.
	3:00 – 3:15 P.M.	***BREAK***
9)	3:15 – 4:00 P.M.	Stakeholder Comments, Views and Perspectives Opportunity will be given to attendees to make comments or brief presentations consistent with the purpose and objectives of the working group session.
10)	4:00 – 4:10 P.M.	Closing Remarks Dr. Mike Ryan, ACNW&M
11)	4:10 - 5:00 P.M.	Discussion of ACNW&M Letter Reports (Open) (All) Discussion of proposed and potential ACNW&M letter reports on: 11.1 Managing Low-Activity Radioactive Waste (MTR/MPL) 11.2 Use of Burnup Credit for Licensing Spent Fuel Transportation Casks (RFW/AGC/CLB)

5:00 P.M. Adjourn

WEDNESDAY, APRIL 9, 2008, CONFERENCE ROOM T-2B3, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND

WORKING GROUP ON THE EFFECTS OF LOW RADIATION DOSES SCIENCE AND POLICY - Continuation (Open)

SESSION II: Balancing Science and Policy in the Regulatory Area

12)	8:30 – 8:45 A.M.	Opening Remarks (MTR/NMC) ACNW&M Chair, Mike Ryan, will open the meeting and make preliminary remarks. A brief overview of the meeting objectives will be given for attendees who were not present on Day 1.
13)	8:45 – 9:30 A.M.	An Economic Perspective on Regulatory Decision-Making: Benefit vs. Cost Under Linear and Nonlinear Models Professor James K. Hammitt. Harvard School of Public Health

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	9:00 – 9:45 A.M.	***BREAK***
14)	9:45 – 10:30 A.M.	U.S. Environmental Protection Agency (EPA) Perspective Dr. Jerry Puskin, EPA
15)	10:30 – 11:15 A.M.	U.S. Nuclear Regulatory Commission (NRC) Staff Perspective Dr. Vincent Holahan, NRC's Office of Nuclear Regulatory Research
	11:15 – 1:00 P.M.	***LUNCH***
16)	1:00 – 3:00 P.M.	Panel Discussion and Individual Summaries by Expert Panelists ACNW&M Chair, Mike Ryan, will lead a panel discussion with the invited subject matter experts.
	3:00 – 3:15 P.M.	***BREAK***
17)	3:15 – 4:00 P.M.	Stakeholder Comments, Views and Perspectives As requested. Opportunity will be given to attendees to make comments or brief presentations consistent with the purpose and objectives of the working group session.
18)	4:00 – 4:10 P.M.	Closing Remarks Dr. Mike Ryan, ACNW&M.
19)	4:10 - 5:00 P.M.	<u>Discussion of ACNW&M Letter Reports</u> (Open) (All) Continued discussion of proposed and potential ACNW&M letter reports listed under Item 11 and: 19.1) Effects of Low Radiation Doses (MTR/NMC)
	5:00 P.M.	Adjourn
THURSDAY, APRIL 10, 2008, CONFERENCE ROOM T-2B1, TWO WHITE FLINT NORTH, ROCKVILLE, MARYLAND		
20)	8:30 – 8:35 A.M.	Opening Remarks by the ACNW&M Chairman (Open) (MTR/AFD) The Chairman will make opening remarks regarding the conduct

,		The Chairman will make opening remarks regarding the conduct of today's sessions.
21)	8:35 - 4:00 P.M.	<u>Discussion of ACNW&M Letter Reports</u> (Open) (All) Continued discussion of proposed and potential ACNW&M letter reports listed under Item 19. There may be a 1 hour lunch break at some point during the discussion.
22)	4:00 - 5:00 P.M.	Miscellaneous (Open) (All) The Committee will discuss matters related to the conduct of ACNW&M activities and specific issues that were not completed during previous meetings. Discussions may include content of future letters and scope of future Committee Meetings.

5:00 P.M. Adjourn

NOTES:

- Presentation time should not exceed 50 percent of the total time allocated for a given item. The remaining 50 percent of the time is reserved for discussion.
- Thirty five (35) hard copies and one (1) electronic copy of the presentation materials should be provided to the ACNW&M in advance of the briefing.
- During the days of the meeting, phone number 301-415-7360 should be used in order to access anyone in the ACNW&M Office.

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